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# ILLINOIS NATURAL HISTORY SURVEY

Kankakee River Fishes of the Braidwood  
Station Aquatic Monitoring Area, August 1986

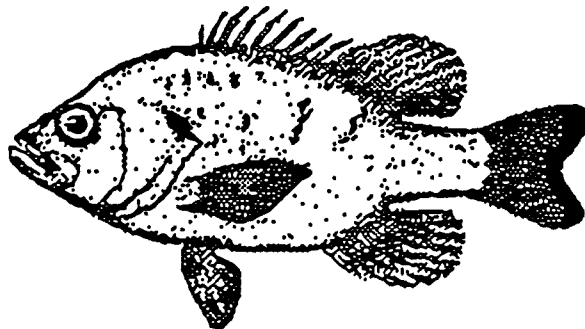
## Aquatic Biology Section Technical Report

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Report submitted to  
Commonwealth Edison Co.,  
Chicago, Illinois

Aquatic Biology Technical Report 87/01





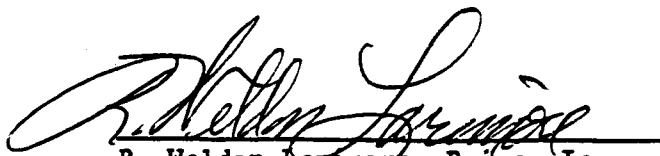
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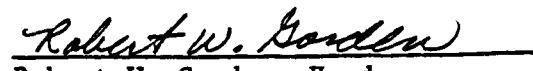
KANKAKEE RIVER FISHES OF THE BRAIDWOOD  
STATION AQUATIC MONITORING AREA,  
AUGUST 1986

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## INTRODUCTION

The geology, hydrology, and water quality, of the Kankakee River combine to form a high diversity of habitats and aquatic life, creating one of the finest rivers in Illinois (Smith 1971, Brigham et al. 1981, Ivens et al. 1981, Suloway 1981, Skelly and Sule 1983, Brigham et al. 1984, and others). The value of the river lies in its use as a scenic, cultural, recreational, and industrial resource (Barker et al. 1967, Ivens et al. 1981, Graham et al. 1984). The river in Illinois has remained relatively unaltered while still meeting the needs of the public, municipalities, and private interests.

Construction of the Braidwood Nuclear Generating Station and its associated riverside intake and discharge structures has provided the opportunity to gather data on the fishes of the Kankakee River. The study was initiated to determine the effects of construction and plant operation on the river. Although the generating station is presently pre-operational, the intake and discharge structures are operating on an irregular schedule to test the system and to provide water for the house service water system of the generating station. The structures have also been operational in a controlled reduction of water levels in Braidwood Cooling Pond, followed by a filling period to help reduce dissolved solid concentrations. However, pumping to reduce dissolved solids did not occur in 1986.

The Braidwood Station Aquatic Monitoring Area, near Custer Park, Will County, Illinois, consists of a 2.5-km reach of the Kankakee River and its tributary, Horse Creek (Figure 1). The 1986 fishery survey marks the ninth year that studies were conducted by the Illinois Natural History Survey. Information was collected using similar methods during the same season each year, yielding a rare and valuable long-term data set. This additional year of data allows us to further document environmental changes and the resulting response of the fish community. Monitoring the assemblage of fish species and their numerical relationships also provides an indication of

Anomalies in the form of macroparasites, diseases, malformities, or injuries were found on 23.4% of the total catch by number; Neascus sp. (Trematoda) was responsible for a 15.0% infection of those occurrences. A recapture rate of 9.5% of the total catch in 1986 was much higher than that of 1985 (5.3%). Diversity indices of total catch were generally lower, with the lowest diversity recorded in this series at seven stations. An Index of Biotic Integrity total score of 48 was calculated from the total catch within the monitoring area, falling into the 'good' integrity class.

environmental quality. The goal of this research is to gain a better understanding of the complex relationships of fishes to their dynamic lotic surroundings by studying changes in the fish community as a response to physical fluctuations.

## MATERIALS AND METHODS

Two sampling methods, electrofishing and seining, were used to collect Kankakee River fishes 4-14 August 1986. These same methods were used in previous fisheries investigations in this series (Sule et al. 1978, 1979, 1980; Skelly and Pescitelli 1981; Skelly and Epifanio 1982; Skelly and Kwak 1984, 1985; Kwak 1986).

The six sampling locations on the Kankakee River and Horse Creek have remained the same throughout this series (Figure 1). Each sampling location consists of two sampling stations, designated by the location number and an "R" or "L" indicating the right or left side of the river as one looks upstream. The six general sampling locations are briefly described below:

Location 1 is approximately 1,000 m (3,280 ft) above the intake structure. This location provides data for an upstream section of the river that is not influenced by the cooling lake intake or discharge.

Location 2 is located on Horse Creek, including a length approximately 100 m (328 ft) upstream from the confluence of Horse Creek and the Kankakee River. This location is studied because of its potential influence on the Kankakee River and because it represents a potential fish spawning site.

Location 3 is located in the area of the intake structure.

Location 4 is located in the immediate vicinity of the discharge canal. This location provides data for that region of the river which may be affected by thermal and chemical discharges of the cooling pond.

Location 5 is located approximately 300 m (984 ft) downstream of the discharge canal. This location is situated in the area of discharge influence and represents a potential near-field recovery area from any impact that may be associated with the discharge.

Location 6 is located approximately 1.6 km (1 mile) downstream of the location of the discharge canal. This region is well below the influence of the discharge and represents a potential far-field recovery area from any impact that may be associated with discharge.

A boat-mounted, boom-type electrofisher, which employed a 230-volt, 3000-watt, 3-phase A.C. generator as a power source, was used to sample adult and juvenile fishes. At locations 1, 5, and 6 (Figure 1), each station (L and R, left or right bank as one looks upstream) was electrofished for 0.5 hour, covering a distance of approximately 152 meters (500 ft) and representing one unit of effort. Because of the proximity of locations 3 and 4, these areas were sampled for only 15 minutes, each covering one-half of the unit distance. The entire width of Horse Creek (Location 2) was electrofished from its mouth to a point approximately 305 meters (1,000 ft) upstream for a period of 1 hour, representing two units of effort. The boat driver and two other persons captured stunned fish with 12.7-mm (0.5-in.) mesh dip nets. Each electrofishing station was shocked four times, with a 2-day repopulation period between each replicate. Electrofishing was conducted such that the first "run" of each replicate was made in a downstream direction through the middle of the shocking zone. The second "run" at the station was taken proceeding upstream, adjacent to the first run and as close to the bank as water depth would allow. The third "run" was made in a

downstream direction outside of, but adjacent to, the two previous runs. This sequence of runs was repeated until the desired length of time had elapsed. The unit area shocked was equivalent to 0.4 hectare (1 acre).

Seine samples were taken at two sites within each sampling station twice within the 2-week sampling period, representing four replicates per station. A 7.65 x 1.22-m (25 x 4-ft) nylon seine was used with a 1.22 x 1.22 x 1.22-m (4 x 4 x 4-ft) bag. The seine was constructed from King 4.76-mm (3/16-in.) square mesh. A shoreline distance of 15 meters (49 ft) was seined in a downstream direction; the first haul was taken downstream of the second. All small fish collected by seine were preserved in formalin and returned to the laboratory for analysis. Large fish were processed in the field and released.

All fish were identified, measured for length and weight, and examined for parasites. Prior to release, fish were marked with a partial fin clip unique to fish captured on that date. In following collections, fish previously marked were noted and marked again with the appropriate clip for that day. Fish were released at the station where they were collected. Dissolved oxygen, water temperature, water velocity, pH, turbidity, and conductivity were measured at each collection. These values are tabulated in Appendices A and B.

A condition factor was calculated for each fish by the following equation:

$$K \text{ (TL)} = \frac{\text{weight (g)} \times 100,000}{\text{total length (mm)}^3}$$

Each fish collected and its K factor are listed in Appendix C. Appendix D contains a complete summary of all fishes collected for this report series from 1977 to 1986, during August or July-August. Diversity indices (Shannon 1948) were computed for collections taken at each station for electrofishing and seine catches and were compared with those calculated in previous years.

Biomass and abundance of fishes collected at different locations were analyzed statistically by analysis of variance. Comparisons were made on a catch-per-unit-effort basis using  $\ln(X+1)$  transformations of weight and numbers. August 1986 results were subjected to a one-way analysis of variance with station as the main effect. Three-way analysis of variance models were used with year, station, and replicate as independent class variables for 1977-1985 data. Various environmental parameters were included as covariables in all models. Comparisons of means were made with Duncan's Multiple Range Test. Results were considered significant at the  $P < 0.05$  level. It should be noted that the four samples collected by electrofishing and seine are not true replicates statistically, but they are what may be referred to as temporal pseudoreplicates (Hurlbert 1984) because of the lack of true independence of these successive samples. Given the impossibility of obtaining true replicate samples of transient fishes in this complex river situation, the difficulty in applying inferential statistics to these situations is acknowledged and the limitations recognized.

## RESULTS AND DISCUSSION

### CATCH INFORMATION

Fifty-one species of fishes representing 11 families were collected from the Braidwood Station Aquatic Monitoring Area during

August 1986 (Table 1). An average of 48.3 (45-53) species have been collected in eight previous August or July-August samples, with 52 species in the 1985 survey. A total of 76 fish species representing 17 families were collected by the Illinois Natural History Survey in the monitoring area from 1977 through 1986 (Table 2). No species collected over that period is on the Illinois list of threatened or endangered species.

The pallid chub (Hybopsis amnis), referred to as the pallid shiner (Notropis amnis) in reports of this series written prior to 1985, is a rare fish in Illinois. It was thought to be extirpated from Illinois until its recent collection in the Kankakee River; it has been proposed for consideration as a threatened species. The pallid chub has consistently been collected from the Braidwood Station Aquatic Monitoring Area since 1978 (Appendix D-12), comprising the only recent collections of this species in Illinois other than in the Mississippi River. An additional four specimens of the pallid chub were collected by seine in 1986. This number is reduced compared to peak collections of 49 and 16 specimens in 1984 and 1985, respectively. The specimens collected in 1986, all adults, averaged 33.5 mm in total length. Two 1986 specimens were collected at Station 5L and the other two at Station 1L. This marks the first collection of H. amnis at Station 1L, with all but one specimen from previous August or July-August samples collected at Station 5. The habitat at Stations 1L and 5L is similar, both characterized as slack water depositional areas. The reduction of water velocity at Station 1L is caused by the extension of a rocky shoal into the river channel, while a widening of the river at Station 5 reduces flow there. A detailed description of the seining areas, including water quality parameters, may be found in Skelly and Sule (1983). All specimens of H. amnis, except for one adult collected by electrofishing in 1985, were collected by seining.



Until recently, a total of 110 specimens of Hybopsis amnis had been recorded in Illinois; 96 were from the Kankakee River with 88 (including the August 1986 sample) of those from the Braidwood Station Aquatic Monitoring Area. However, 58 specimens of the Illinois Natural History Survey fish collection, previously identified as the bigeye chub (H. amblops), were reidentified as H. amnis. This taxonomic correction was made by Dr. B. M. Burr and Mr. M. L. Warren of Southern Illinois University and confirmed by Dr. L. M. Page of the Illinois Natural History Survey. These specimens were collected from 1899 through 1901 from five different streams in the Mississippi River drainage basin, thereby expanding the historic distribution of H. amnis.

Total biomass of fishes collected by both methods combined totaled 206 kg (Table 1), composed primarily of golden redhorse (Moxostoma erythrurum), 26.6%; quillback (Carpoides cyprinus), 13.3%; rock bass (Ambloplites rupestris), 9.9%; smallmouth bass (Micropterus dolomieu), 9.2%; gizzard shad (Dorosoma cepedianum), 7.1%; and carp (Cyprinus carpio), 6.6%. The average total biomass of the 8 previous years was 241.7 kg (131-414 kg), with a total biomass of 220.4 kg from 1985. The total number of fish (3,567) was represented primarily by bluntnose minnow (Pimephales notatus), 20.8%; longear sunfish (Lepomis megalotis), 13.1%; golden redhorse, 9.3%; rock bass, 7.5%; smallmouth bass, 6.3%; and orangespotted sunfish (L. humilis), 6.0%. Total abundance from previous years averaged 5,056 fish (1,072-12,933), with 9,911 fish collected in 1985. Excluding the large 1977 sample, mean abundance was 3,932 (1,072-9,911), slightly higher than that collected in 1986.

Smallmouth bass was not as well represented in the 1986 electrofishing catch as it was in 1985, where it was dominant both in biomass and abundance. Smallmouth bass ranked among the five most abundant fishes at 9 of 11 stations in 1986, but it did not rank first by number at any station (Table 4). It ranked first at one station

(6R) by biomass and in the top five at 10 stations (Table 2). A dominant smallmouth bass age-I year class (Figure 8) shows good survival from a highly successful 1985 spawn. This dominant year class was confirmed to be age I by scale projection analyses. Annuli were read to the nearest year on a series of scales collected from 10 individual smallmouth bass. These fish ranged from 91 to 142 mm TL and were all found to be age I. Smallmouth bass is highly pursued and successfully creeled by sport fishermen on the lower Kankakee River, with the greatest contribution to the catch as 230-mm fish at ages II and III (Graham et al. 1984). This strong age-I year class should contribute significantly to the 1987 sport fishery. Few young-of-the-year smallmouth bass were collected, indicating poor spring spawning conditions for this species in 1986.

Rock bass was well represented in the 1986 electrofishing catch, ranking in the top five at seven stations in both abundance and biomass. It was never ranked first by abundance or biomass at any station. The rock bass catch was widely distributed by length, with a major size class near 120 mm (Figure 9). Longear sunfish was the most abundant fish in the electrofishing catch (15.2%), ranking highest at three stations and in the upper six at all other stations. The electrofishing catch and total catch (both methods combined) of longear sunfish in 1986 was higher in biomass and abundance than in any previous August collection of that species (Appendix D-12). Longear sunfish was not a dominant fish by biomass in 1986, ranking in the top five at only three stations.

Golden redhorse was the dominant fish by weight (26.9%) of the electrofishing catch, ranking first at six stations and in the top five at all but one station. The second most abundant fish of the electrofishing sample, it ranked first at three stations and in the top five at an additional four stations. This electrofishing sample was higher in number than that of any previous August collection of golden redhorse (Appendix D-12). Numerous age-I

individuals were collected with few young-of-the-year (Figure 10), reflecting good survival from a highly successful 1985 spawn and poor golden redhorse reproduction in 1986.

The shorthead redhorse (Moxostoma macrolepidotum) 1986 electrofishing catch was similar to that of 1985 (Appendix D-12). The 1986 sample was dominated by age-I fish (Figure 11), which were prevalent as young-of-the-year in 1985. The river redhorse (M. carinatum), an intolerant and rare fish in Illinois (Smith 1979), was collected with greater abundance (103 fish) in 1986 than in any previous August collection. All but four individuals were juveniles (ages 0 and I) (Figure 12), mostly age I.

Quillback, carp, and silver redhorse (Moxostoma anisurum) were all well represented in biomass but not abundance of the electrofishing catch, primarily due to low numbers of large individual fish. Quillback ranked among the top five fishes in biomass at eight stations and was second only to golden redhorse in proportion of the total electrofishing biomass. Carp comprised the highest biomass at Station 2, Horse Creek, and ranked third at two other stations. Silver redhorse ranked in the top five fishes in biomass at two stations. A population of gizzard shad at Station 5 made up 83% of the biomass and abundance of the total catch (both methods combined) of that species (Appendices D8, D9, and D12). Gizzard shad ranked first in biomass of the electrofishing catch at both Stations 5L and 5R but was not in the top five at any other station. It was the most numerous fish at Station 5R and the second most abundant at 5L, ranking low at all other stations. Lentic characteristics caused by a widening of the river at Station 5 create favorable habitat for gizzard shad.

Cyprinids other than carp accounted for 33.7% of the total catch by number of both methods combined, with 20.8% comprised of bluntnose minnow (Table 1). This is greatly reduced from the 64.7% of the 1985

total catch by number composed of cyprinids other than carp. Studies of fish food habits in the early years of this project showed that small forage fish are an integral part of the adult game fish diet, with cyprinids a dominant prey group (Sule et al. 1978, 1979). Smallmouth bass were found to consume fish from six different families over the year and displayed preference for particular food items, coinciding with the time of year and the availability of forage; their highest consumption of fish was in August. Other piscivores noted were largemouth bass (Micropterus salmoides), white crappie (Pomoxis annularis), black crappie (P. nigromaculatus), and channel catfish (Ictalurus punctatus). The lower relative abundance of Cyprinidae, along with reduced absolute numbers of cyprinids and young-of-the-year in 1986, will contribute to a lower forage base available to piscivores. Lower growth rates or a shift in diet may be expected to occur in piscivorous fishes.

#### SPATIAL AND TEMPORAL COMPARISONS

One-way analysis of variance of electrofishing results from 1986 revealed significant differences between stations for biomass and abundance values (Table 5). Results of Duncan's multiple range test showed electrofishing biomass at Stations 4L, 3L, 3R, and 6L to be significantly higher than that Stations 2 and 5R (Table 6). Electrofishing biomass and abundance at Station 6R was significantly lower than that at all other stations, presumably due to an observed lack of structure in the shocking zone. Station 3L had significantly higher electrofishing abundance than all other stations except 5L and 4L. Emergent beds of shoreline vegetation provided optimal habitat for sunfishes, increasing abundances at Stations 3L and 4L; while the lentic characteristics and submerged boulders at Station 5L created a unique habitat there. The 1985 electrofishing sample showed increased catch on days when the riverside intake structure was pumping; however, the intake or discharge structures were not operational during any 1986 fish collection. No significant

differences were noted in the one-way analysis of variance of 1986 seine results (Table 5).

Three-way analysis of variance with year, station, and replicate as main effects and water velocity, depth, water temperature, and dissolved oxygen as covariables were significant for both electrofishing and seine biomass and abundance data (Table 7). Electrofishing biomass and abundance values were significant for year and station effects; year-station interaction effects were significant only for abundance values. Seine biomass and abundance values were significant for year, station, and year-station interaction. Replicate and dissolved oxygen effects were significant for seine abundance data; water velocity effects were significant for seine biomass results.

The electrofishing total biomass collected in 1986 was moderately high and statistically similar to that of 1985, 1984, 1983, and 1982, lower than that of 1981 and 1977, and greater than that of 1979 and 1978 (Table 8). Stations 1L and 6L remained the dominant stations by biomass as in previous multi-year analyses, with significantly more electrofishing biomass than all other stations. The 1986 electrofishing abundance mean was significantly higher than all previous years except 1985. Although not always statistically different, a notable difference in electrofishing catch at stations on opposite sides of the river has persisted both for biomass and abundance, with the left side of the river more productive. Station 6R also yields significantly fewer fish than all other stations. Station 2, Horse Creek, ranks intermediate by abundance and low in biomass.

Duncan tests for results of seine sampling showed both biomass and abundance for 1986 to be intermediate (Table 9). Statistically biomass from 1986 was similar to 1981 and 1979, lower than 1977 and 1985, and higher than 1984, 1983, 1982, and 1978. Seine biomass from

Stations 5R and 5L were each significantly higher than that of any other station. Significantly more fish were collected by seine in 1985, 1979, and 1977 than in 1986. A similar number was collected in 1984, 1981, and 1978, with significantly fewer fish collected in 1983 and 1982, compared to 1986. Station 5R has produced significantly more fish by seine than all other stations. Stations 5L and 2 were similar, with greater abundance than all other stations (except 5R).

Discharge or gauge height values did not contribute significantly to mean square values for electrofishing biomass (Table 10) or seine biomass and abundance (Table 12), although the models for each were significant. Therefore, the Duncan's multiple comparisons for these results (Tables 11 and 13) were nearly identical to that of the previous model excluding discharge and gauge height values. Discharge and gauge height values were significant effects on electrofishing abundance results. Adding discharge and gauge height values as covariables, 1978 abundances were similar to those of 1986 and 1985; otherwise Duncan's results are not unlike those of the previous model.

#### COMMUNITY CHARACTERISTICS

Mean condition factors [K(TL)] of fishes collected in 1986 were similar to those encountered in 1985 but remain slightly lower than those of 1984. Minor increases in condition were observed for northern hog sucker (Hypentelium nigricans), the dominant redhorse species (Moxostoma), and dominant minnows (Cyprinidae). These increases in condition indicate the presence of more large individuals, compared to the catch of 1985 which was dominated by young-of-the-year of these species.

In 1986, 23.4% of the total catch showed one or more anomalies (macroparasites, diseases, malformities, or injuries) (Table 15). This incidence rate is marginally higher than that found in 1985 (16.6%). Digenetic trematodes (Neascus sp.) caused "black spot

disease" in 15.0% of the total catch. Neascus infections were most common in sunfishes (Centrarchidae) and seldom encountered on sucker species (Catostomidae). Fish collected at Station 2, Horse Creek, had the highest incidence of Neascus (30.6%), with stations on the right side of the river showing a higher infection rate than the opposing side. The complex life cycle of Neascus sp. involves snails and fish as first and second intermediate hosts, respectively, with piscivorous birds (herons or kingfishers) as a final host (Hunter 1944). Horse Creek, which enters the Kankakee River on the right shoreline, may be a source of Neascus sp. for the river system because of a greater occurrence of both snails and piscivorous birds than at the other stations. Also, river habitat along the right shoreline may be more suitable for the other hosts of Neascus. Neascus sp. has been recorded in the monitoring area every year of this report series.

Leeches (Hirudinea) were found externally attached to 3.8% of the total catch. Centrarchids, again, were most commonly parasitized by leeches. The highest incidence of leeches was found at Station 6L; lower incidence of infection occurred at Stations 3R, 4R, and 5R. No heavily leech-infested fish were found in 1986.

Two parasitic copepods, Lernaea sp. (anchor worm) and Argulus sp. (fish louse), were encountered on fishes in the monitoring area. Copepods were found primarily on centrarchids and catostomids. Incidence of Lernaea in 1986 (2.3%) was notably increased from that of 1985 (0.1%), while Argulus occurrence was reduced from 0.2% in 1985 to 0.001% in 1986. Philometra nodulosa, a parasitic nematode frequently encountered on quillback in 1979 (Sule et al. 1980), was not found in the monitoring area. Other anomalies, including lesions, malformities, cysts and tumors, injuries, and fungus, were sporadically distributed by location and taxa.

An overall recapture rate of 9.5% of the total catch was much higher than the 5.3% recapture rate of 1985 (Table 16). Recapture

rates varied among stations; the highest proportions were recaptured at Stations 2, 3L, and 4L, few recaptures at 5R, and no fish were recaptured at Station 6R.

Sixteen fish species were recaptured at least once in 1986 (Table 17). Sixteen individual fish were recaptured twice and two fish were recaptured three times. Centrarchids showed the highest recapture rates of fishes with substantial sample sizes, ranging from 4.7% for bluegill to 20.0% and 19.5% for largemouth bass and rock bass, respectively. High recapture rates were observed for northern pike (Esox lucius) and pumpkinseed (Lepomis gibbosus), due to small sample sizes and sample location. A higher recapture rate for catostomids was shown in 1986 as compared to earlier years.

These recapture studies confirm the results of earlier tagging studies (Sule et al. 1979, 1980), indicating the transiency of fishes in this large river system. Low recapture rates were noted in all mark-and-recapture studies in the monitoring area, even after exhaustive sampling in some cases. Sule et al. (1980) recaptured smallmouth bass and rock bass near catch-and-release points, and some smallmouth bass were found to return to the original catch location after release at another site. Low recapture rates with home range and homing behaviors exhibited by some recaptured fish adds support to Funk's (1957) concept of sedentary and mobile groups within some species. The calculation of a population estimate for any species of the Kankakee River may be of little practical value, due to the size of the river, the lack of natural barriers (such as shallow riffles), and the lack of control or measure of migration and mortality. Any population estimate calculated from these data would also show extremely large confidence intervals due to the low proportions of recaptured fish.

Diversity indices varied in 1986 as in previous years (Table 18). Electrofishing diversity indices increased over those of 1985 at eight



stations, with a reduction at three stations. Diversity of seine results was reduced at all stations except 6L, which showed a large increase over the 1985 diversity index value there. Diversity was generally lower when considering results from both methods combined, showing decreased indices at 8 of 11 stations. Combined methods diversity indices were the lowest recorded in this report series at seven stations, including all stations on the right shoreline of the river, Station 1L, and Station 2. This reduction of diversity in the monitoring area may be partially due to a poor spawn by many species and few young-of-the-year fish in the 1986 collection.

Assessing the biological integrity of running waters can be a useful tool in estimating the ecological impact of human-induced alterations on streams. An assessment of biotic integrity using stream fish communities has been developed, applied, and tested by Karr et al. (1986). The Index of Biotic Integrity (IBI) incorporates data from the fish community into 12 metrics within three categories. The categories include species richness and composition, trophic composition, and fish abundance and condition. The index values range from 0 (no fish) to 60, with IBI scores falling into integrity classes from very poor to excellent. An IBI total score of 48 was calculated for the 1986 total catch in the monitoring area, including both Kankakee River and Horse Creek data (Table 19). This score lies in the integrity class of 'good'. Factors contributing to a lower IBI were trophic composition of the fish community and a high incidence of anomalies. It is noteworthy that Smith (1971) rated the Kankakee-Iroquois River system as excellent based on fishes known to occur in the drainage and its potential for harboring others at that time.

## SUMMARY

1. Fifty-one fish species representing 11 families were collected from the Kankakee River and Horse Creek within the Braidwood Station Aquatic Monitoring Area in August 1986. An average of 48.3 (45-53) species was found in previous August samples.
2. None of the fishes collected in the monitoring area is on the Illinois list of threatened or endangered species. The pallid chub (Hybopsis amnis), a rare Illinois fish referred to as the pallid shiner (Notropis amnis) prior to 1985, has been present in eight consecutive collections, with four individuals collected in 1986.
3. Total biomass of fishes was 206 kg, compared to an average of 242 kg (131-414 kg) from previous years.
4. Total abundance (3,567 fish) was below the average from previous years of 5,056 fish (1,072-9,911 fish).
5. Golden redhorse, quillback, rock bass, smallmouth bass, gizzard shad, and carp accounted for 72.7% of the total biomass. Smallmouth bass relative and absolute abundance and biomass was reduced from those of 1985. Dominant age-I year classes and few young-of-the-year were observed for smallmouth bass, golden redhorse, shorthead redhorse, and river redhorse, with an increase in river redhorse numbers.
6. Bluntnose minnow, longear sunfish, golden redhorse, rock bass, smallmouth bass, and orangespotted sunfish numerically comprised 63.0% of all fish caught. A lower relative abundance of Cyprinidae, along with reduced absolute numbers of cyprinids and young-of-the-year, will contribute to a lower forage base available to piscivores.

7. Significant differences were found between stations in the 1986 catch for biomass and abundance of electrofishing results. No significant differences were noted in the seine catch.
8. Three-way analyses of variance revealed highly significant differences between years and stations for both biomass and abundance of each method for 1977-1986. Electrofishing biomass was moderately high, but the abundance mean was higher than any previous year. Seine biomass and abundance were both above average compared with previous years. Discharge and gauge height were significant effects only for electrofishing abundant results.
9. Anomalies in the form of macroparasites, diseases, malformities, or injuries were found on 23.4% of the total catch by number; Neascus sp. (Trematoda) was responsible for a 15.0% infection of those occurrences.
10. A recapture rate of 9.5% of the total catch in 1986 was much higher than that of 1985 (5.3%).
11. Diversity indices of total catch were generally lower, with the lowest diversity recorded in this series at seven stations.
12. An Index of Biotic Integrity total score of 48 was calculated from the total catch within the monitoring area, falling into the 'good' integrity class.

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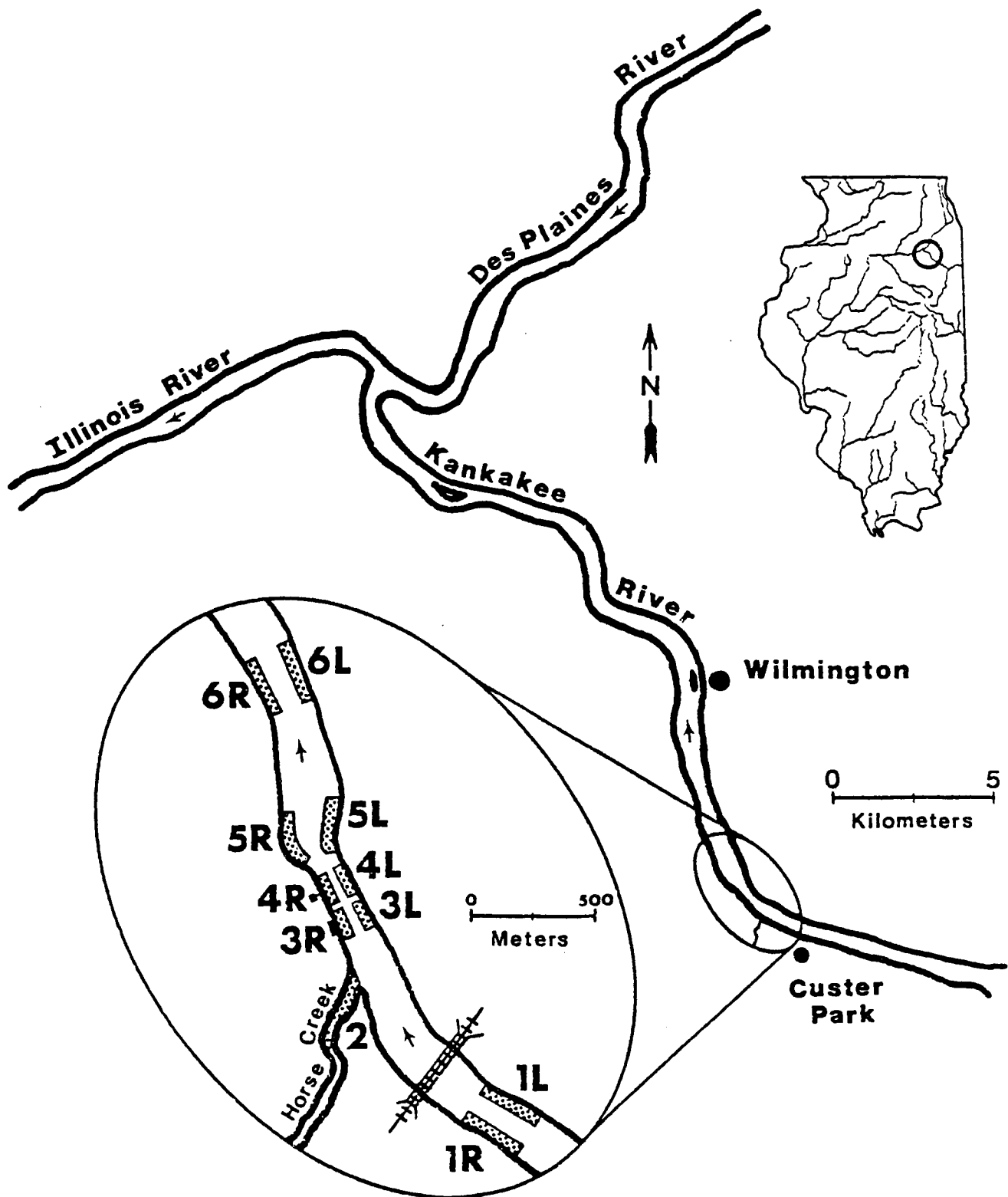


Figure 1. Locations of sampling stations within the Braidwood Station Aquatic Monitoring Area of the Kankakee River.



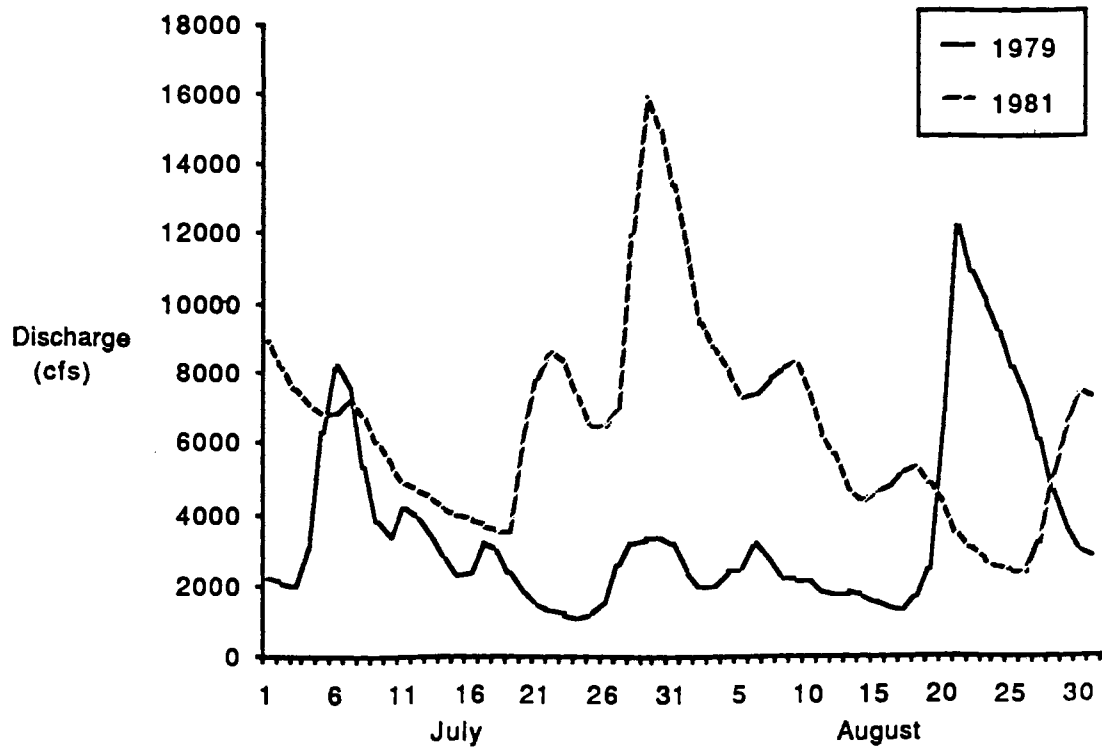
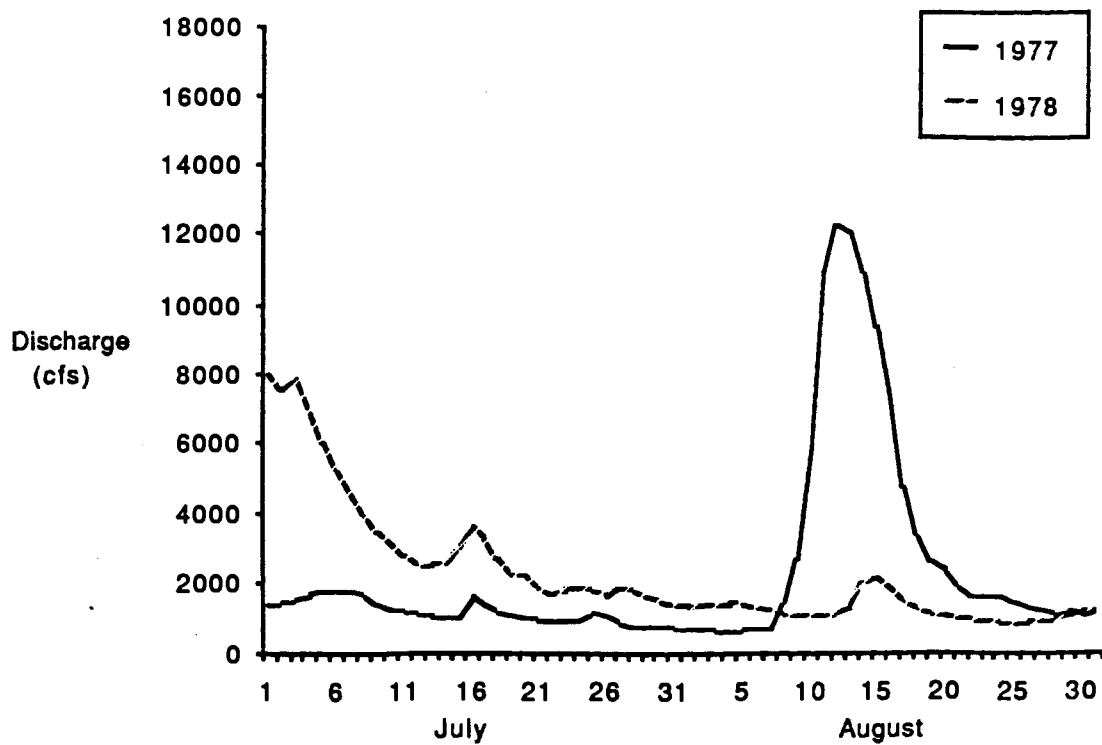


Figure 2. Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois during July and August 1977-79 and 1981 (courtesy USGS).

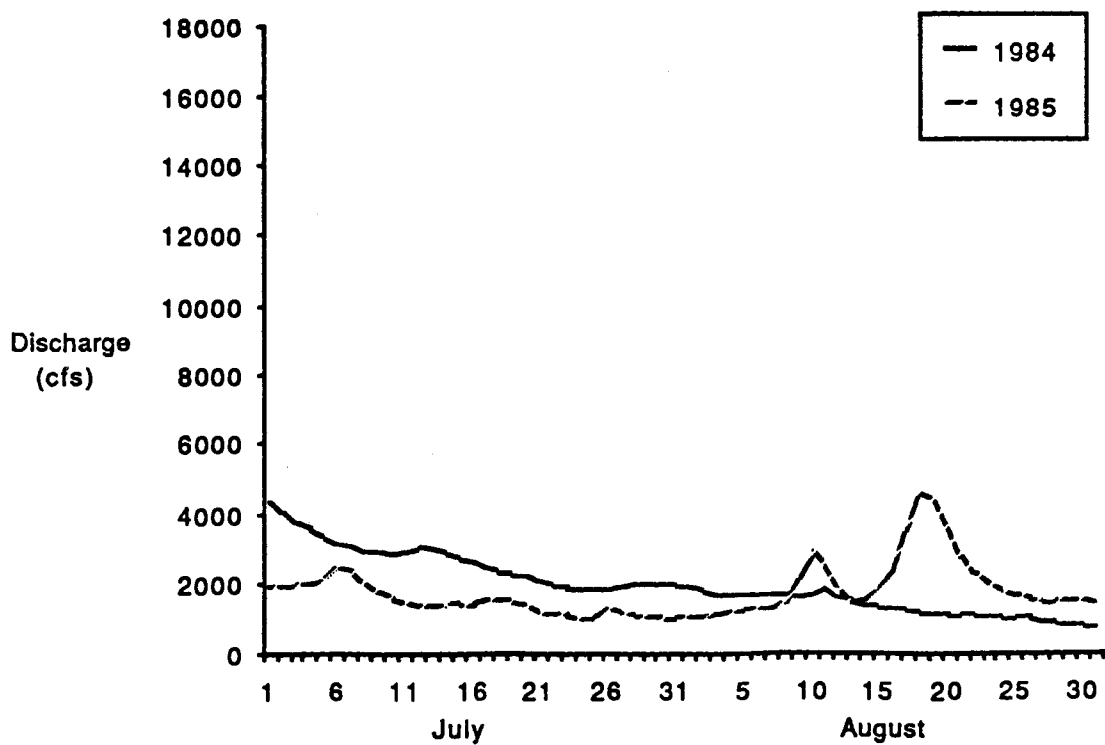
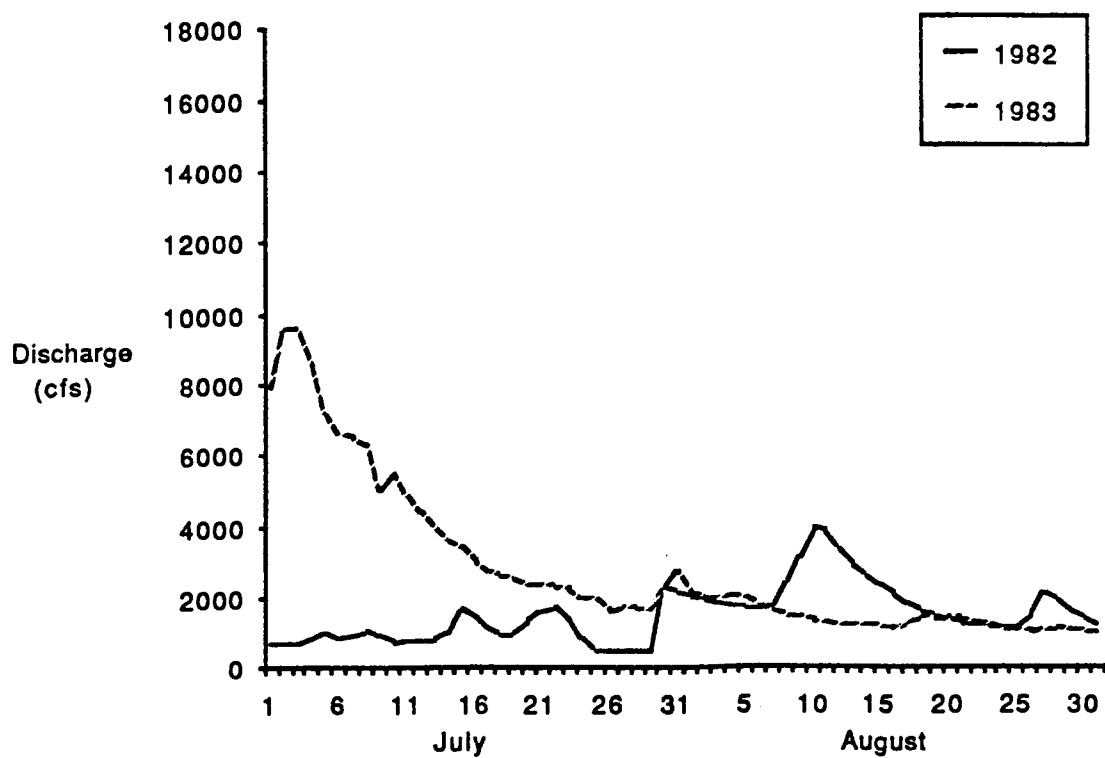


Figure 3. Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois during July and August 1982-85 (courtesy USGS).

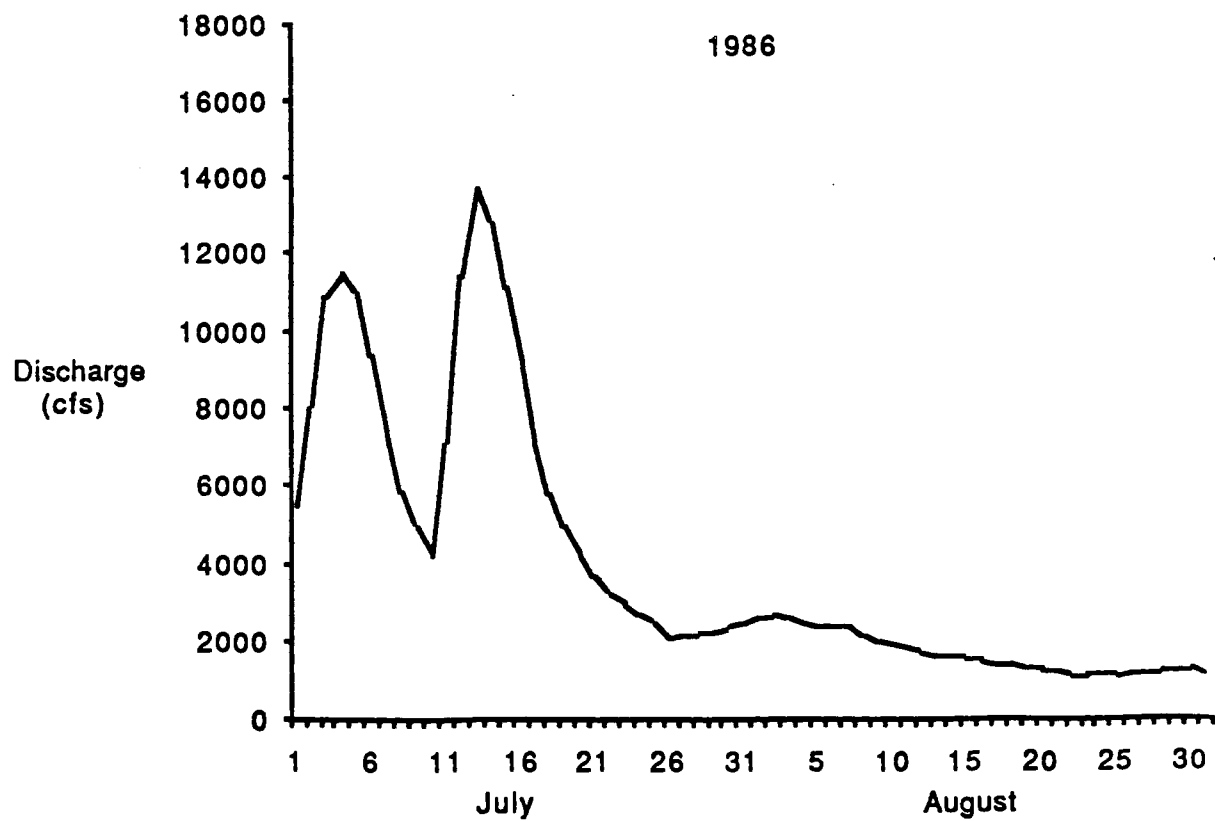


Figure 4. Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois during July and August 1986 (courtesy USGS).

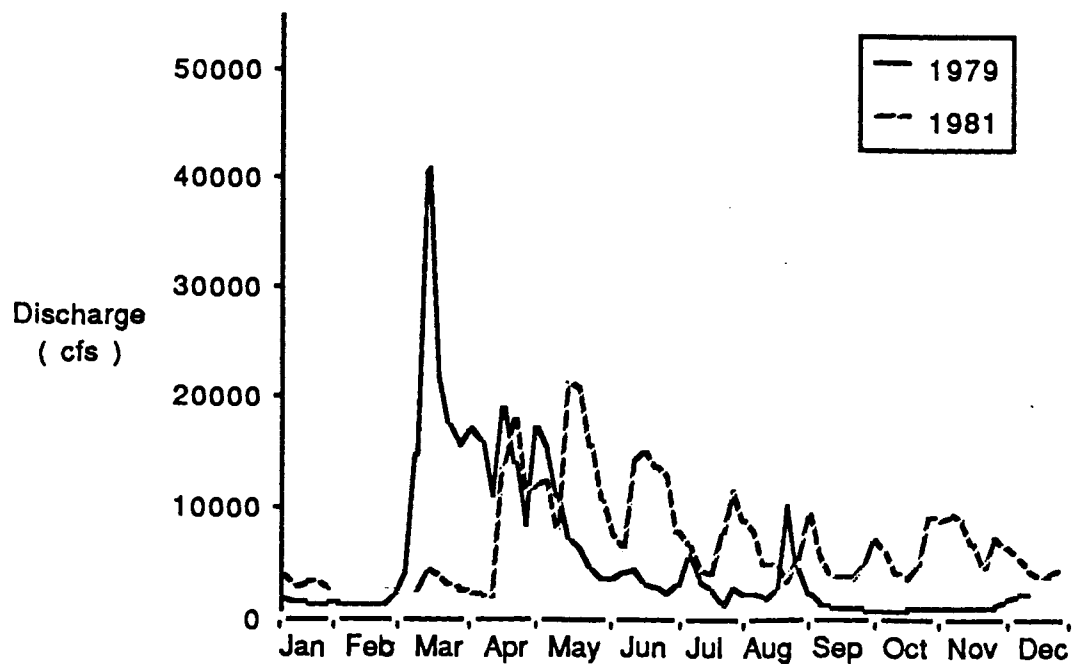
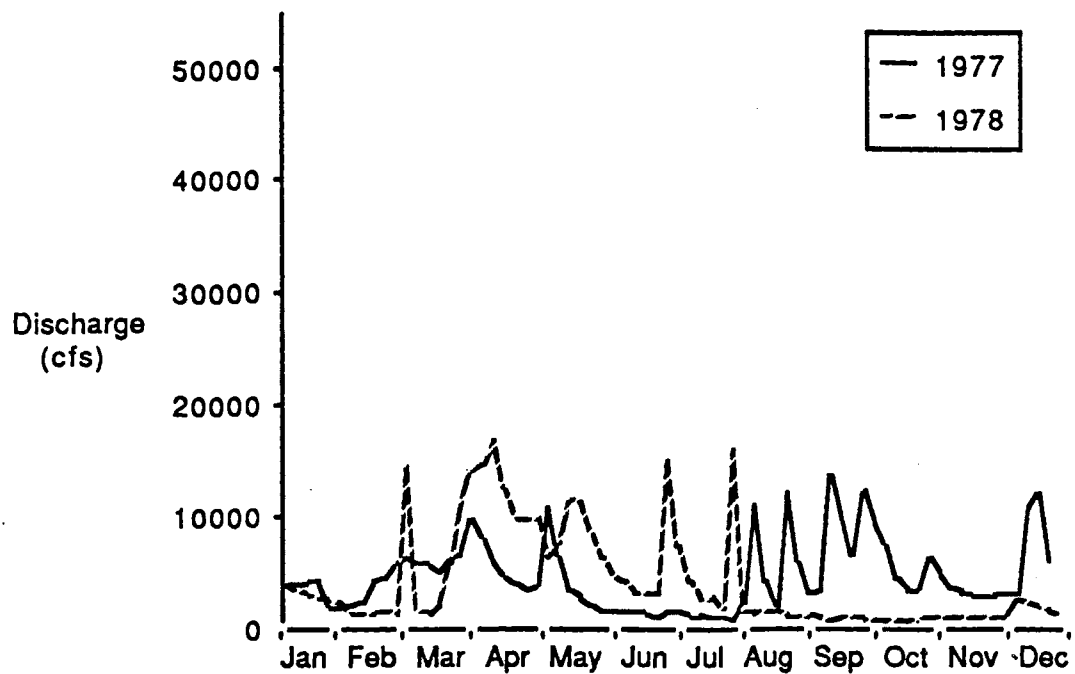


Figure 5. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois during 1977-79 and 1981 (courtesy USGS).

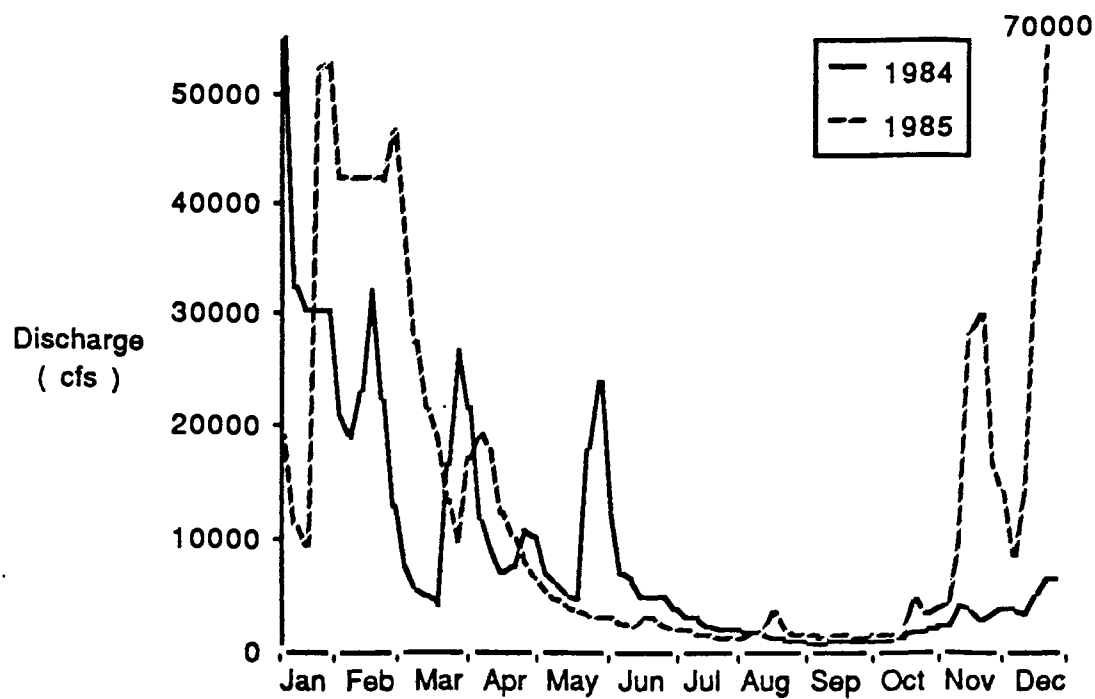
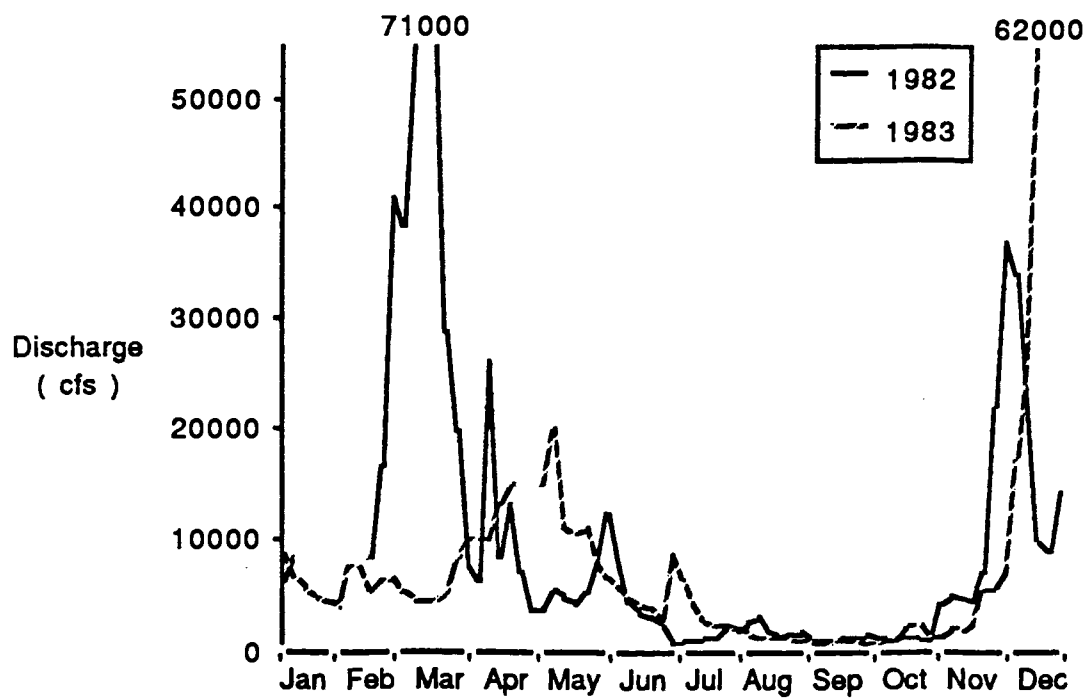


Figure 6. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois during 1982-85 (courtesy USGS).

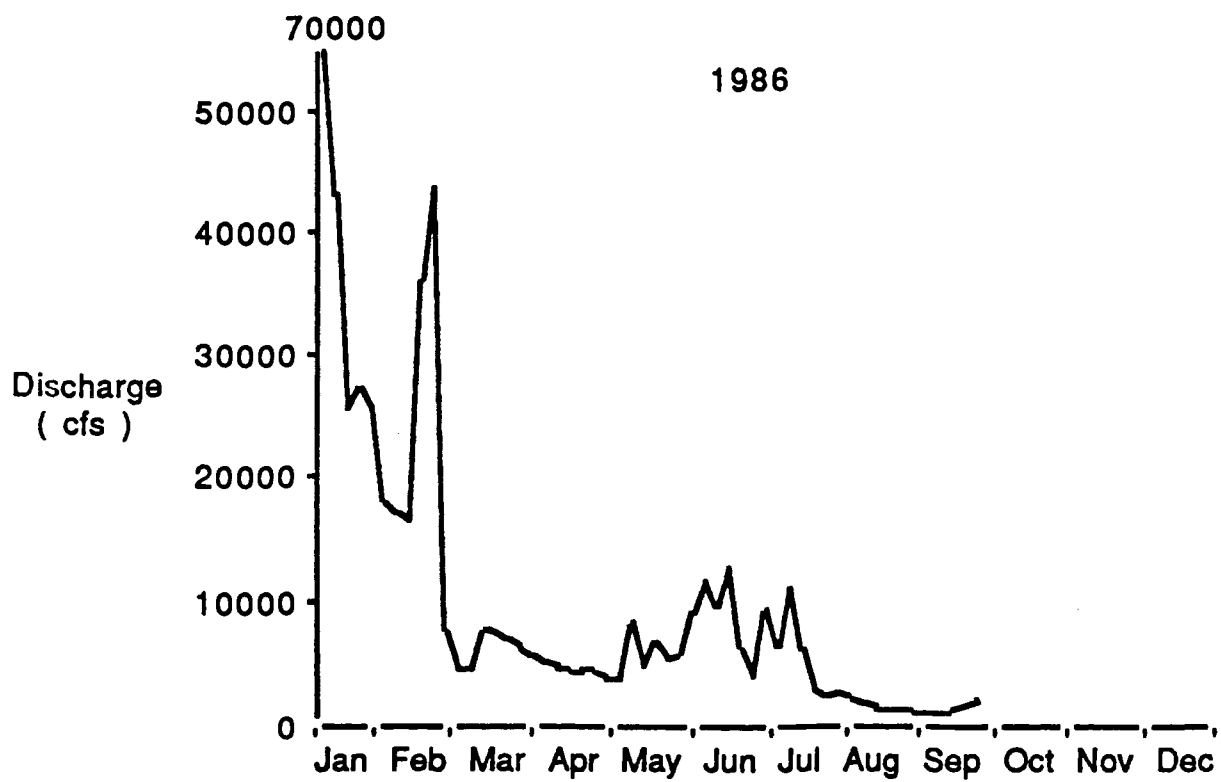


Figure 7. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois during 1986 (courtesy USGS).

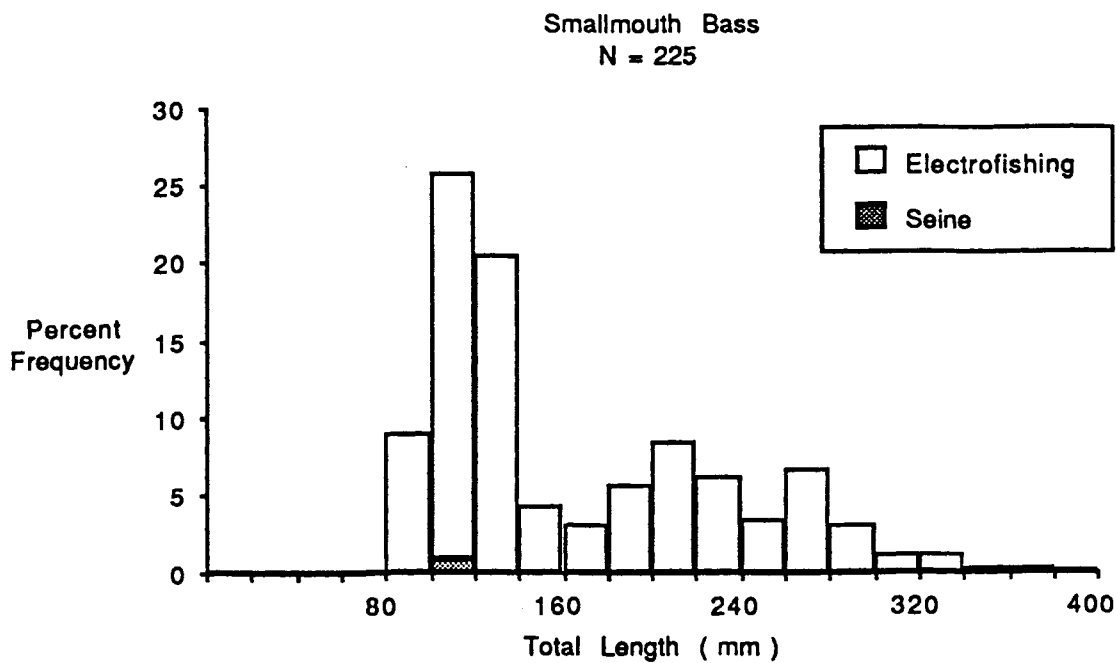


Figure 8. Length-frequency distribution for smallmouth bass, Micropterus dolomieu, collected from the Kankakee River and Horse Creek during August 1986.

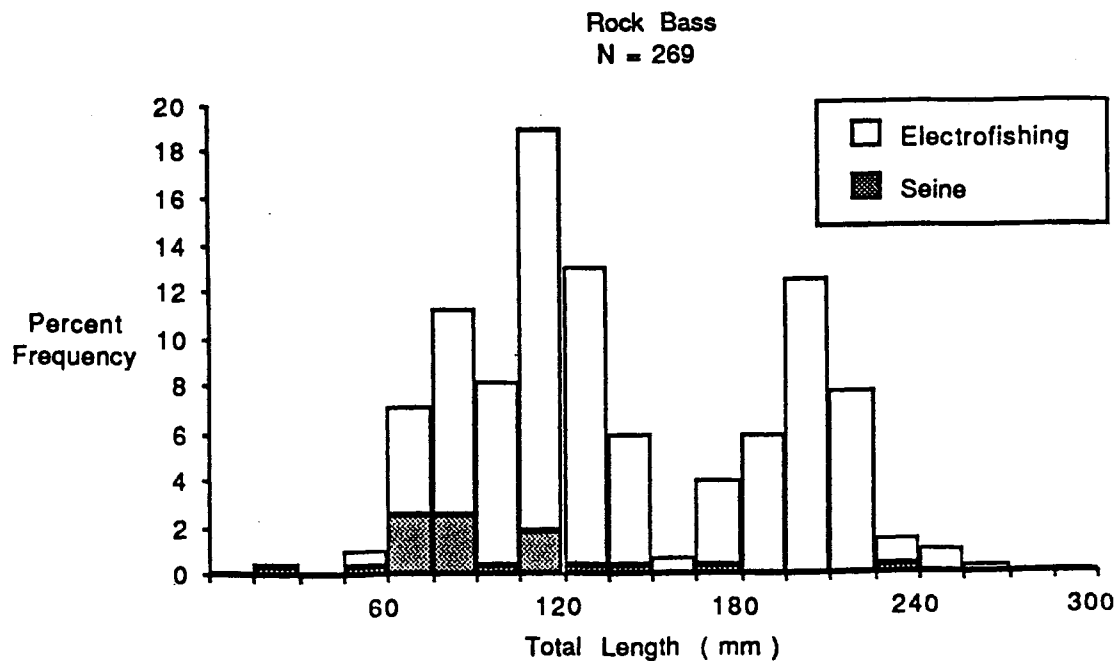


Figure 9. Length-frequency distribution for rock bass, Ambloplites rupestris, collected from the Kankakee River and Horse Creek during August 1986.

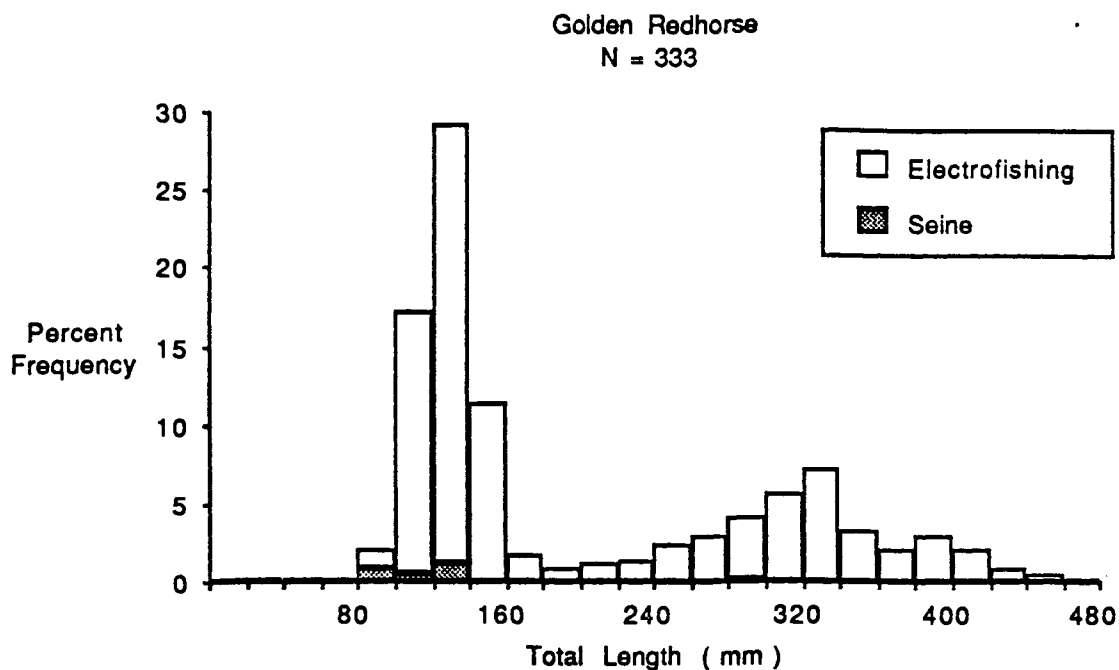


Figure 10. Length-frequency distribution for golden redhorse, Moxostoma erythrurum, collected from the Kankakee River and Horse Creek during August 1986.

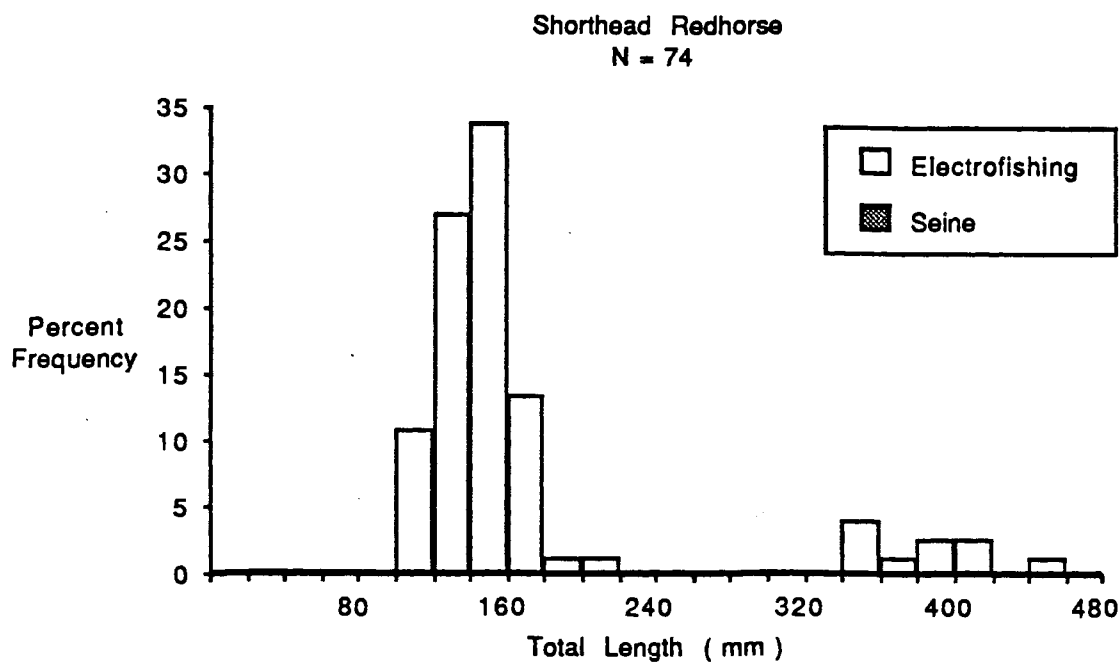


Figure 11. Length-frequency distribution for shorthead redhorse, Moxostoma macrolepidotum, collected from the Kankakee River and Horse Creek during August 1986.



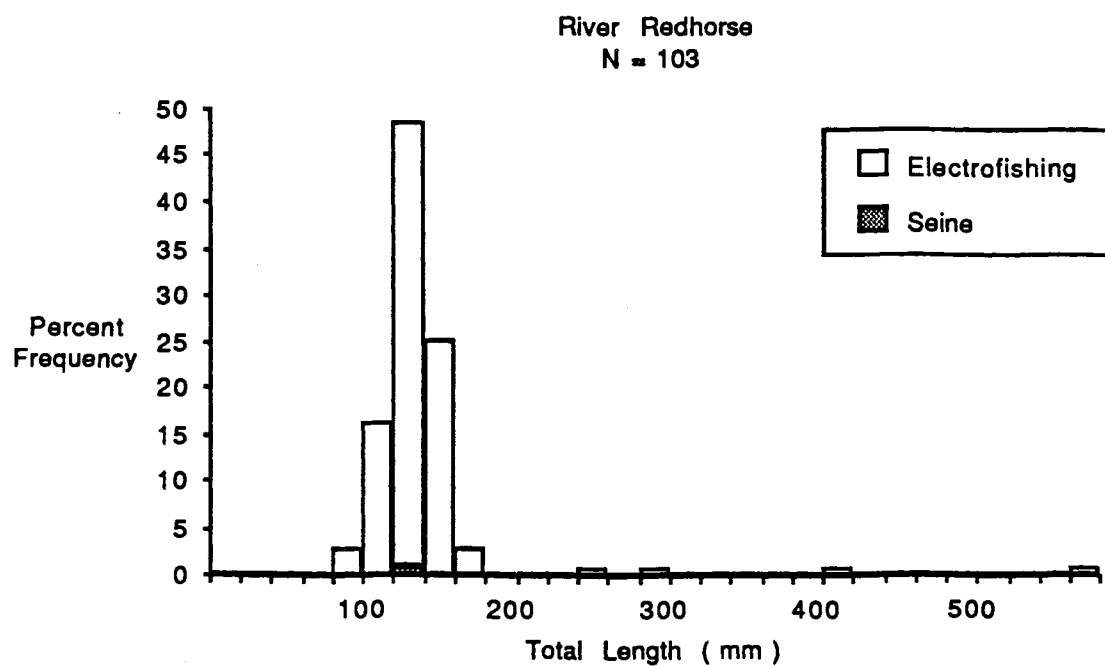


Figure 12. Length-frequency distribution for river redhorse, Moxostoma carinatum, collected from the Kankakee River and Horse Creek during August 1986.

Table 1. Total catch (by method) for each species collected from the Kankakee River and Horse Creek during August 1986.

Species	Electrofishing				Seining				Total			
	Number	% by number	Weight (g)	% by weight	Number	% by number	Weight (g)	% by weight	Number	% by number	Weight (g)	% by weight
Longnose gar	1	0.0	2.00	0.0	2	0.2	1.63	0.0	3	0.1	3.63	0.0
Gizzard shad	129	5.0	14,697.04	7.2	5	0.5	8.76	0.2	134	3.8	14,705.80	7.1
Grass pickerel	16	0.6	167.50	0.1	11	1.1	132.92	3.4	27	0.8	300.42	0.1
Northern pike	8	0.3	2,616.00	1.3	0	0.0	0.00	0.0	8	0.2	2,616.00	1.3
Central stoneroller	1	0.0	1.02	0.0	1	0.1	0.82	0.0	2	0.1	1.84	0.0
Carp	9	0.3	13,610.00	6.7	1	0.1	0.71	0.0	10	0.3	13,610.71	6.6
Silverjaw minnow	1	0.0	0.57	0.0	0	0.0	0.00	0.0	1	0.0	0.57	0.0
Hornyhead chub	1	0.0	6.61	0.0	2	0.2	7.91	0.2	3	0.1	14.52	0.0
Pallid chub	0	0.0	0.00	0.0	4	0.4	0.94	0.0	4	0.1	0.94	0.0
Golden shiner	1	0.0	2.48	0.0	0	0.0	0.00	0.0	1	0.0	2.48	0.0
Emerald shiner	1	0.0	7.42	0.0	2	0.2	0.37	0.0	3	0.1	7.79	0.0
Striped shiner	18	0.7	70.53	0.0	48	5.0	21.27	0.6	66	1.9	91.80	0.0
Red shiner	0	0.0	0.00	0.0	1	0.1	0.88	0.0	1	0.0	0.88	0.0
Rosyface shiner	19	0.7	27.64	0.0	8	0.8	1.14	0.0	27	0.8	28.78	0.0
Spotfin shiner	79	3.0	145.99	0.1	87	9.0	88.03	2.3	166	4.7	234.02	0.1
Sand shiner	57	2.2	57.84	0.0	56	5.8	26.34	0.7	113	3.2	84.18	0.0
Redfin shiner	6	0.2	5.62	0.0	23	2.4	17.33	0.4	29	0.8	22.95	0.0
Mimic shiner	6	0.2	5.69	0.0	10	1.0	7.11	0.2	16	0.4	12.80	0.0
Suckermouth minnow	6	0.2	4.52	0.0	6	0.6	2.00	0.1	12	0.3	6.52	0.0
Bluntnose minnow	320	12.3	502.13	0.2	422	43.6	407.34	10.5	742	20.8	909.47	0.4
Fathead minnow	0	0.0	0.00	0.0	1	0.1	0.57	0.0	1	0.0	0.57	0.0
Bullhead minnow	8	0.3	11.30	0.0	9	0.9	9.77	0.3	17	0.5	21.07	0.0
Quillback	46	1.8	27,467.91	13.5	3	0.3	9.99	0.3	49	1.4	27,477.90	13.3
White sucker	1	0.0	430.00	0.2	0	0.0	0.00	0.0	1	0.0	430.00	0.2
Northern hog sucker	21	0.8	5,285.00	2.6	0	0.0	0.00	0.0	21	0.6	5,285.00	2.6
Spotted sucker	2	0.1	39.44	0.0	0	0.0	0.00	0.0	2	0.1	39.44	0.0
Silver redhorse	18	0.7	7,724.00	3.8	0	0.0	0.00	0.0	18	0.5	7,724.00	3.7
River redhorse	102	3.9	5,664.12	2.8	1	0.1	21.00	0.5	103	2.9	5,685.12	2.8
Black redhorse	2	0.1	238.02	0.1	0	0.0	0.00	0.0	2	0.1	238.02	0.1
Golden redhorse	323	12.4	54,488.32	26.9	10	1.0	498.16	12.9	333	9.3	54,986.48	26.6
Shorthead redhorse	74	2.8	7,197.82	3.6	0	0.0	0.00	0.0	74	2.1	7,197.82	3.5
Black bullhead	1	0.0	97.00	0.0	0	0.0	0.00	0.0	1	0.0	97.00	0.0
Yellow bullhead	1	0.0	30.00	0.0	0	0.0	0.00	0.0	1	0.0	30.00	0.0
Channel catfish	2	0.1	4,462.00	2.2	2	0.2	1.55	0.0	4	0.1	4,463.55	2.2
Stonecat	1	0.0	22.00	0.0	0	0.0	0.00	0.0	1	0.0	22.00	0.0
Blackstripe topminnow	2	0.1	4.53	0.0	11	1.1	4.14	0.1	13	0.4	8.67	0.0
Brook silverside	16	0.6	29.52	0.0	9	0.9	8.59	0.2	25	0.7	38.11	0.0
Rock bass	243	9.3	19,730.25	9.7	26	2.7	749.16	19.4	269	7.5	20,479.41	9.9
Green sunfish	177	6.8	5,357.94	2.6	22	2.3	387.90	10.0	199	5.6	5,745.84	2.8
Pumpkinseed	4	0.2	153.57	0.1	0	0.0	0.00	0.0	4	0.1	153.57	0.1
Orangespotted sunfish	170	6.5	2,087.18	1.0	44	4.5	275.29	7.1	214	6.0	2,362.47	1.1
Bluegill	54	2.1	1,172.45	0.6	30	3.1	163.59	4.2	84	2.4	1,336.04	0.6
Longear sunfish	396	15.2	6,000.77	3.0	72	7.4	921.18	23.8	468	13.1	6,921.95	3.4
Green sunfish x bluegill	1	0.0	5.21	0.0	0	0.0	0.00	0.0	1	0.0	5.21	0.0
Smallmouth bass	223	8.6	19,045.39	9.4	2	0.2	26.97	0.7	225	6.3	19,072.36	9.2
Largemouth bass	25	1.0	3,119.25	1.5	1	0.1	4.67	0.1	26	0.7	3,123.92	1.5
White crappie	2	0.1	165.00	0.1	2	0.2	15.86	0.4	4	0.1	180.86	0.1
Black crappie	2	0.1	442.00	0.2	2	0.2	18.75	0.5	4	0.1	460.75	0.2
Johnny darter	1	0.0	0.23	0.0	26	2.7	9.82	0.3	27	0.8	10.05	0.0
Blackside darter	0	0.0	0.00	0.0	1	0.1	3.69	0.1	1	0.0	3.69	0.0
Slenderhead darter	1	0.0	2.01	0.0	5	0.5	7.02	0.2	6	0.2	9.03	0.0
Freshwater drum	1	0.0	325.00	0.2	0	0.0	0.00	0.0	1	0.0	325.00	0.2
All species	2,599		202,727.83		968		3,863.17		3,567		206,591.00	

Table 2. List of fishes collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area from 1977 through 1986.

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<b>Lepisosteidae</b>	
<u>Lepisosteus osseus</u> (Linnaeus)	Longnose gar
<b>Amiidae</b>	
<u>Amia calva</u> Linnaeus	Bowfin
<b>Anguillidae</b>	
<u>Anguilla rostrata</u> (Lesueur)	American eel
<b>Clupeidae</b>	
<u>Dorosoma cepedianum</u> (Lesueur)	Gizzard shad
<u>Dorosoma petenense</u> (Gunther)	Threadfin shad
<b>Salmonidae</b>	
<u>Salmo gairdneri</u> Richardson	Rainbow trout
<b>Umbridae</b>	
<u>Umbra limi</u> (Kirtland)	Central mudminnow
<b>Esocidae</b>	
<u>Esox americanus</u> Gmelin	Grass pickerel
<u>Esox lucius</u> Linnaeus	Northern pike
<b>Cyprinidae</b>	
<u>Carassius auratus</u> (Linnaeus)	Goldfish
<u>Cyprinus carpio</u> Linnaeus	Carp
<u>Notemigonus crysoleucas</u> (Mitchill)	Golden shiner
<u>Semotilus atromaculatus</u> (Mitchill)	Creek chub
<u>Nocomis biguttatus</u> (Kirtland)	Hornyhead chub
<u>Phenacobius mirabilis</u> (Girard)	Suckermouth minnow
<u>Hybopsis amnis</u> (Hubbs & Greene)	Pallid chub
<u>Notropis atherinoides</u> Rafinesque	Emerald shiner
<u>Notropis burchanani</u> Meek	Ghost shiner
<u>Notropis chryscephalus</u> (Rafinesque)	Striped shiner
<u>Notropis dorsalis</u> (Agassiz)	Bigmouth shiner
<u>Notropis emilise</u> (Ray)	Pugnose minnow
<u>Notropis lutrensis</u> (Baird & Girard)	Red shiner
<u>Notropis rubellus</u> (Agassiz)	Rosyface shiner
<u>Notropis spilopterus</u> (Cope)	Spotfin shiner
<u>Notropis stramineus</u> (Cope)	Sand shiner
<u>Notropis umbratilis</u> (Girard)	Redfin shiner
<u>Notropis volucellus</u> (Cope)	Mimic shiner
<u>Ericymba buccata</u> Cope	Silverjaw minnow
<u>Pimephales notatus</u> (Rafinesque)	Bluntnose minnow
<u>Pimephales promelas</u> Rafinesque	Fathead minnow
<u>Pimephales vigilax</u> (Baird & Girard)	Bullhead minnow
<u>Campostoma anomalum</u> (Rafinesque)	Central stoneroller
<b>Catostomidae</b>	
<u>Ictiobus bubalus</u> (Rafinesque)	Smallmouth buffalo
<u>Ictiobus cyprinellus</u> (Valenciennes)	Bigmouth buffalo
<u>Carpiodes carpio</u> (Rafinesque)	River carpsucker
<u>Carpiodes cyprinus</u> (Lesueur)	Quillback
<u>Moxostoma anisurum</u> (Rafinesque)	Silver redbhorse
<u>Moxostoma carinatum</u> (Cope)	River redbhorse
<u>Moxostoma duquesnei</u> (Lesueur)	Black redbhorse
<u>Moxostoma erythrurum</u> (Rafinesque)	Golden redbhorse
<u>Moxostoma macrolepidotum</u> (Lesueur)	Shorthead redbhorse
<u>Hypentelium nigricans</u> (Lesueur)	Northern hog sucker
<u>Catostomus commersoni</u> (Lacepede)	White sucker
<u>Minytrema melanops</u> (Rafinesque)	Spotted sucker
<u>Erimyzon oblongus</u> (Mitchill)	Creek chubsucker
<u>Erimyzon sucetta</u> (Lacepede)	Lake chubsucker

Table 2. List of fishes collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area from 1977 through 1986 (continued).

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<b>Ictaluridae</b>	
<u>Ictalurus melas</u> (Rafinesque)	Black bullhead
<u>Ictalurus natalis</u> (Lesueur)	Yellow bullhead
<u>Ictalurus nebulosus</u> (Lesueur)	Brown bullhead
<u>Ictalurus punctatus</u> (Rafinesque)	Channel catfish
<u>Noturus flavus</u> Rafinesque	Stonecat
<b>Aphredoderidae</b>	
<u>Aphredoderus sayanus</u> (Gilliams)	Pirate perch
<b>Cyprinodontidae</b>	
<u>Fundulus notatus</u> (Rafinesque)	Blackstripe topminnow
<b>Atherinidae</b>	
<u>Labidesthes sicculus</u> (Cope)	Brook silverside
<b>Percichthyidae</b>	
<u>Morone mississippiensis</u> Jordan & Eigenmann	Yellow bass
<b>Centrarchidae</b>	
<u>Micropterus dolomieu</u> Lacepede	Smallmouth bass
<u>Micropterus salmoides</u> (Lacepede)	Largemouth bass
<u>Lepomis cyanellus</u> Rafinesque	Green sunfish
<u>Lepomis gibbosus</u> (Linnaeus)	Pumpkinseed
<u>Lepomis gulosus</u> (Cuvier)	Warmouth
<u>Lepomis humilis</u> (Girard)	Orangespotted sunfish
<u>Lepomis macrochirus</u> (Rafinesque)	Bluegill
<u>Lepomis megalotis</u> (Rafinesque)	Longear sunfish
<u>Ambloplites rupestris</u> (Rafinesque)	Rock bass
<u>Pomoxis annularis</u> Rafinesque	White crappie
<u>Pomoxis nigromaculatus</u> (Lesueur)	Black crappie
<b>Percidae</b>	
<u>Stizostedion vitreum</u> (Mitchill)	Walleye
<u>Perca flavescens</u> (Mitchill)	Yellow perch
<u>Percina caprodes</u> (Rafinesque)	Logperch
<u>Percina maculata</u> (Girard)	Blackside darter
<u>Percina phoxocephala</u> (Nelson)	Slenderhead darter
<u>Etheostoma caeruleum</u> Storer	Rainbow darter
<u>Etheostoma microperca</u> Jordan & Gilbert	Least darter
<u>Etheostoma nigrum</u> Rafinesque	Johnny darter
<u>Etheostoma zonale</u> (Cope)	Banded darter
<b>Scaenidae</b>	
<u>Aplodinotus grunniens</u> Rafinesque	Freshwater drum

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Table 3. Mean biomass (g) and range, percent composition by weight, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek during August 1986.

Species	Station										
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
<u>Golden redbreast</u>											
Mean	2,244.7	2,533.9	1,013.6	921.4	802.8	1,954.6	1,192.5	195.6	459.3	2,034.9	268.9
Range	1594-3566	658-5918	501-1773	369-1835	0-2482	440-2688	351-2504	105-297	232-805	1163-3903	55-425
% (R)	36.3(1)	43.1(1)	13.0(3)	25.6(1)	21.4(2)	43.2(1)	43.1(1)	4.0(7)	14.6(3)	30.6(1)	17.7(2)
<u>Quillback</u>											
Mean	330.0	873.8	1,965.5	650.0	175.0	793.0	383.8	232.5	1,017.2	446.2	--
Range	0-1320	0-2380	755-3074	0-1890	0-700	0-1415	0-1535	0-922	560-2149	0-835	--
% (R)	5.3(7)	14.9(3)	25.3(2)	18.1(2)	4.7(5)	17.5(2)	13.9(2)	4.7(6)	32.4(2)	6.7(6)	--
<u>Rock bass</u>											
Mean	549.4	187.5	328.5	578.6	165.2	608.2	181.0	936.1	10.9	1,260.2	126.9
Range	413-622	153-233	111-540	191-1125	0-563	440-966	0-724	447-1571	0-35	847-1844	0-229
% (R)	8.4(4)	3.2(7)	4.2(6)	16.1(3)	4.4(8)	13.5(3)	6.5(5)	19.0(2)	0.3(12)	19.0(2)	8.3(5)
<u>Smallmouth bass</u>											
Mean	855.6	247.0	307.1	438.9	504.8	396.2	323.0	271.5	96.8	945.2	375.2
Range	236-1377	60-683	173-444	24-1278	33-1670	19-800	49-704	20-720	20-270	529-1861	290-422
% (R)	13.8(2)	4.2(5)	4.0(7)	12.2(4)	13.5(3)	8.8(4)	11.7(3)	5.5(5)	3.1(5)	14.2(3)	24.6(1)
<u>Gizzard shad</u>											
Mean	0.9	220.5	242.2	--	57.4	--	8.5	1,963.8	1,093.9	63.8	23.2
Range	0-4	0-737	0-641	--	0-225	--	0-34	1014-2692	234-2093	0-150	0-93
% (R)	0.0(21)	3.7(6)	3.1(8)	--	1.5(11)	--	0.3(13)	39.9(1)	34.9(1)	1.0(11)	1.5(10)
<u>Carp</u>											
Mean	771.0	--	2,418.0	--	--	--	--	11.0	--	--	202.5
Range	0-3084	--	0-7472	--	--	--	--	0-24	--	--	0-540
% (R)	12.5(3)	--	31.1(1)	--	--	--	--	0.2(17)	--	--	13.3(3)

Table 3. Mean biomass (g) and range, percent composition by weight, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek during August 1986 (continued).

Species	Station										
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
<u>Silver redhorse</u>											
Mean	13.8	940.2	--	--	173.8	--	--	49.5	23.8	715.0	15.0
Range	0-55	642-1317	--	--	0-695	--	--	0-148	0-48	0-1590	0-60
% (R)	0.2(11)	16.0(2)	--	--	4.6(6)	--	--	1.0(13)	0.8(10)	10.8(4)	1.0(11)
<u>Shorthead redhorse</u>											
Mean	462.8	393.0	158.8	190.0	10.1	25.5	130.8	90.7	--	211.5	126.2
Range	11-702	34-952	0-635	0-663	0-40	0-74	0-475	0-158	--	121-306	0-505
% (R)	7.5(6)	6.7(4)	2.0(10)	5.3(6)	0.3(16)	0.6(11)	4.7(6)	1.8(11)	--	3.2(7)	8.3(6)
<u>Longear sunfish</u>											
Mean	55.4	129.5	373.4	271.4	16.9	237.3	106.8	95.6	79.1	61.1	73.8
Range	30-74	63-199	270-500	147-392	8-24	66-416	0-193	61-167	53-102	26-85	20-176
% (R)	0.9(10)	2.2(9)	4.8(5)	7.5(5)	0.5(14)	5.2(5)	3.9(7)	1.9(10)	2.5(6)	0.9(12)	4.8(8)
<u>River redhorse</u>											
Mean	515.9	21.3	--	39.5	22.0	23.8	33.8	52.5	--	593.5	113.8
Range	30-1564	14-33	--	0-93	0-45	0-38	0-59	0-80	--	186-1498	0-257
% (R)	8.3(5)	0.4(11)	--	1.1(12)	0.6(13)	0.5(12)	1.2(10)	1.1(12)	--	8.9(5)	7.5(7)
<u>Green sunfish</u>											
Mean	--	1.5	380.9	72.8	150.8	81.2	243.0	346.6	26.6	1.4	34.8
Range	--	0-3	97-588	16-210	62-303	62-93	35-353	186-518	0-68	0-6	0-60
% (R)	--	0.0(19)	4.9(4)	2.0(10)	4.0(9)	1.8(9)	8.8(4)	7.0(3)	0.8(8)	0.0(15)	2.3(9)
<u>Northern hog sucker</u>											
Mean	237.0	108.0	201.2	181.2	167.5	122.5	50.9	8.5	--	100.2	136.0
Range	0-410	0-360	0-425	0-725	0-670	0-490	0-236	0-34	--	0-260	0-420
% (R)	3.8(8)	1.8(10)	2.6(9)	5.0(7)	4.5(7)	2.7(6)	2.1(8)	0.2(20)	--	1.5(9)	8.9(4)

Table 4. Mean abundance and range, percent composition by number, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek during August 1986.

Species	Station										
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
<u>Longear sunfish</u>											
Mean	4.00	9.25	25.00	20.00	2.00	12.75	4.25	7.50	6.00	4.00	4.25
Range	1-5	6-14	16-31	13-25	1-3	5-22	0-7	3-13	2-9	1-7	1-10
% (R)	6.35(6)	19.07(2)	18.73(2)	34.63(1)	5.76(6)	26.42(1)	12.41(3)	7.98(4)	14.46(3)	5.78(6)	17.00(1)
<u>Golden redbreast</u>											
Mean	17.50	12.00	4.00	6.00	3.25	5.00	5.50	5.75	1.75	18.50	1.50
Range	13-27	4-25	3-6	4-8	0-7	1-7	4-8	4-7	1-4	9-26	1-2
% (R)	27.78(1)	24.74(1)	3.00(7)	10.39(4)	9.35(3)	10.36(4)	16.06(2)	6.12(6)	4.22(7)	26.71(1)	6.00(7)
<u>Bluntnose minnow</u>											
Mean	4.50	2.50	44.25	2.50	6.75	1.50	1.25	2.75	7.50	2.75	3.75
Range	2-9	1-4	26-94	1-4	1-13	0-4	0-3	2-5	1-23	1-7	1-9
% (R)	7.14(5)	5.15(6)	33.15(1)	4.33(6)	19.42(1)	3.11(8)	3.65(6)	2.93(8)	18.07(2)	3.97(7)	15.00(2)
<u>Rock bass</u>											
Mean	5.00	3.25	8.25	8.50	1.75	8.75	1.25	12.25	0.50	9.50	1.75
Range	3-7	2-5	6-11	6-13	0-3	6-11	0-5	6-16	0-1	8-11	0-3
% (R)	7.94(4)	6.70(4)	6.18(5)	14.72(2)	5.04(7)	18.13(2)	3.65(6)	13.03(3)	1.20(16)	13.72(3)	7.00(6)
<u>Smallmouth bass</u>											
Mean	9.50	2.75	6.50	4.50	3.00	3.25	3.25	3.25	2.50	14.50	2.75
Range	5-16	2-4	3-11	2-9	1-6	1-5	2-5	1-7	1-4	7-24	2-5
% (R)	15.08(2)	5.67(5)	4.87(6)	7.79(5)	8.63(4)	6.74(5)	9.49(4)	3.46(7)	6.02(5)	20.94(2)	11.00(3)
<u>Green sunfish</u>											
Mean	--	0.50	15.25	2.00	6.75	1.75	8.75	7.25	0.75	0.25	1.00
Range	--	0-1	9-24	1-5	6-7	1-2	2-12	4-10	0-2	0-1	0-2
% (R)	--	1.03(13)	11.42(3)	3.46(7)	19.42(1)	3.63(6)	25.55(1)	7.71(5)	1.81(11)	0.36(15)	4.00(8)

Table 4. Mean abundance and range, percent composition by number, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek during August 1986 (continued).

Species	Station										
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
<u>Orangespotted sunfish</u>											
Mean	1.00	--	2.25	6.75	--	7.00	0.50	22.25	0.75	1.25	0.75
Range	0-2	--	0-4	2-17	--	5-10	0-1	9-39	0-1	0-3	0-3
Σ (R)	1.59(11)	--	1.69(10)	11.69(3)	--	14.51(3)	1.46(14)	23.67(1)	1.81(11)	1.81(8)	3.00(10)
<u>Gizzard shad</u>											
Mean	0.25	1.75	1.75	--	0.75	--	0.50	18.50	8.00	0.50	0.25
Range	0-1	0-5	0-5	--	0-2	--	0-2	7-26	4-15	0-1	0-1
Σ (R)	0.40(15)	3.61(9)	1.31(11)	--	2.16(11)	--	1.46(14)	19.68(2)	19.28(1)	0.72(12)	1.00(16)
<u>River redhorse</u>											
Mean	0.25	1.50	--	1.25	1.00	1.25	1.75	2.00	--	7.25	1.00
Range	0-1	1-2	--	0-2	0-2	0-2	0-4	0-3	--	3-10	0-2
Σ (R)	0.40(15)	3.09(11)	--	2.16(9)	2.88(10)	2.59(9)	5.11(5)	2.13(10)	--	10.47(4)	4.00(8)
<u>Spotfin shiner</u>											
Mean	3.00	4.25	1.25	0.50	3.00	1.75	1.25	0.50	2.00	--	2.25
Range	1-7	1-9	0-3	0-1	0-6	0-5	0-4	0-1	0-4	--	1-4
Σ (R)	4.76(8)	8.76(3)	0.94(12)	0.87(12)	8.63(4)	3.63(6)	3.65(6)	0.53(15)	4.82(6)	--	9.00(4)
<u>Shorthead redhorse</u>											
Mean	3.25	2.50	0.25	1.50	0.50	0.75	0.75	2.75	--	6.00	0.25
Range	1-9	1-4	0-1	0-3	0-2	0-2	0-2	0-5	--	4-10	0-1
Σ (R)	5.16(7)	5.15(6)	0.19(20)	2.60(8)	1.44(13)	1.55(13)	2.19(12)	2.93(8)	--	8.66(5)	1.00(16)
<u>Sand shiner</u>											
Mean	0.50	--	12.00	--	--	--	--	--	0.25	1.00	0.50
Range	0-1	--	6-21	--	--	--	--	--	0-1	0-3	0-1
Σ (R)	0.79(12)	--	8.99(4)	--	--	--	--	--	0.60(19)	1.44(9)	2.00(14)



Table 5. One-way analysis of variance of the  $\ln(X + 1)$  abundance and biomass of fish captured per unit of sampling effort for the Kankakee River and Horse Creek during August 1986. Asterisks denote significance at  $\underline{P} < 0.05$  (\*1), and  $\underline{P} < 0.001$  (\*2) and  $\underline{P} < 0.0001$  (\*3).

Source of variation	Mean squares by method					
	Electrofishing			Seine		
	df	Biomass	Abundance	df	Biomass	Abundance
Station	10	0.8638*2	0.5330*2	10	1.4203	0.5205
Velocity	1	0.2635	0.1111	1	0.4077	0.5905
Water temperature	1	0.7007*1	0.1523	1	0.0018	0.4982
Depth	1	0.0129	0.0025	1	0.5695	0.0019
Oxygen	1	0.0009	0.0579	1	0.2422	0.5824
Turbidity	1	0.2328	0.0817	1	0.2556	0.0003
Conductivity	1	0.0092	0.0023	1	0.0703	0.4207
pH	1	0.2444	0.0213	1	0.0083	0.0020
Error	26	0.1470	0.0957	26	2.1924	0.6767
Model	17	0.7817*3	0.4535*2	17	1.8169	0.8328
N		44	44		44	44
Coefficient of determination ( $r^2$ )		0.78	0.76		0.35	0.45

Table 6. Duncan's multiple comparison of the  $\ln(X + 1)$  biomass and abundance of fish captured per unit of electrofishing effort for the Kankakee River and Horse Creek during August 1986. Means underscored by the same line are not significantly different ( $\underline{p} < 0.05$ )<sup>a</sup>.

<hr/>										
BIOMASS										
Station	4L	3L	3R	6L	1L	1R	4R	5L	2	5R
(N = 4)										
Mean	9.0661	8.8758	8.7481	8.7286	8.6398	8.5347	8.4976	8.4935	8.0728	8.0223
	<hr/>									
ABUNDANCE										
Station	3L	5L	4L	3R	6L	4R	2	1L	1R	5R
(N = 4)										
Mean	4.7453	4.5390	4.5237	4.2398	4.2390	4.1989	4.1736	4.1299	3.8447	3.7269
	<hr/>									

<sup>a</sup> This test used the error mean square from the one-way analysis of variance of stations in 1986 with velocity, water temperature, depth, oxygen, turbidity, conductivity, and pH used as covariables.

Table 7. Three-way analysis of variance of the  $\ln(X + 1)$  abundance and biomass of fish captured per unit of sampling effort for the Kankakee River and Horse Creek during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Water velocity, depth, and water temperature are included as covariables. Asterisks denote significance at  $\underline{P} < 0.05$  (\*) and  $\underline{P} < 0.0001$  (\*2).

Source of variation	Mean squares by method					
	Electrofishing			Seine		
	df	Biomass	Abundance	df	Biomass	Abundance
Year	8	2.0834*2	7.8531*2	8	29.4425*2	31.9303*2
Station	10	4.4040*2	2.9545*2	10	9.2574*2	7.9460*2
Year vs. station	80	0.4713	0.4135*2	80	2.2859*2	2.1791*2
Replicate	3	0.8300	0.2894	3	2.0104	2.1807*1
Station vs. replicate	30	0.2731	0.2361	30	0.8635	0.8132
Velocity	1	0.5723	0.1966	1	5.3691*1	1.9865
Depth	1	1.1763	0.1458	1	0.2449	0.3982
Water temperature	1	0.7678	0.1831	1	0.1641	0.2345
Dissolved oxygen	1	0.0003	0.0590	1	3.4403	4.3482*1
Error	260	0.4126	0.2049	260	1.2219	0.7994
Model	135	1.0500*2	1.1678*2	135	5.0724*2	5.2977*2
N		396	396		396	396
Coefficient of determination ( $r^2$ )		0.57	0.75		0.68	0.77

Table 8. Duncan's multiple comparison of the  $\ln(X + 1)$  biomass and abundance of fish captured per unit of electrofishing effort for the Kankakee River and Horse Creek during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Means underscored by the same line are not significantly different ( $P < 0.05$ )<sup>a</sup>.

BIOMASS												
Year (N = 44)	1981	1977	1986	1984	1985	1983	1982	1979	1978			
Mean	9.0278	8.7291	8.4509	8.4234	8.4036	8.3931	8.3083	8.1153	7.8759			
Station (N = 36)	1L	6L	4L	3L	5L	3R	1R	4R	5R	2	6R	
Mean	9.0165	8.9789	8.6078	8.5942	8.4991	8.3744	8.2358	8.2164	8.1208	8.0067	7.9051	
ABUNDANCE												
Year (N = 44)	1986	1985	1978	1981	1977	1979	1984	1983	1982			
Mean	4.1428	4.1141	3.9008	3.8452	3.8341	3.4721	3.4300	3.1245	2.7693			
Station (N = 36)	1L	6L	5L	3L	4L	2	3R	4R	1R	5R	6R	
Mean	3.9731	3.9438	3.9151	3.8640	3.7704	3.7109	3.5953	3.5684	3.3646	3.2765	2.9028	

<sup>a</sup> This test used the error mean square from the three-way analysis of variance of year, station, and replicate with velocity, depth, water temperature, and dissolved oxygen used as covariables.

Table 9. Duncan's multiple comparison of the  $\ln(X + 1)$  biomass and abundance of fish captured per unit of seine effort for the Kankakee River and Horse Creek during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Means underscored by the same line are not significantly different ( $P < 0.05$ )<sup>a</sup>.

BIOMASS												
Year (N = 44)	1977	1985	1979	1986	1981	1978	1984	1983	1982			
Mean	4.7836	4.4427	3.8116	3.7123	3.6454	2.7997	2.4626	2.1586	1.8442			
Station (N = 36)	5L	5R	2	6R	1R	4L	3L	1L	6L	4R	3R	
Mean	4.1667	4.1276	3.4594	3.4134	3.3671	3.1973	3.1507	3.1327	2.9460	2.6555	2.6356	
ABUNDANCE												
Year (N = 44)	1977	1985	1979	1986	1978	1984	1981	1983	1982			
Mean	5.0239	4.6320	3.5939	2.8362	2.7706	2.7614	2.6739	2.2836	1.7189			
Station (N = 36)	5R	5L	2	6R	1L	1R	4L	6L	3R	3L	4R	
Mean	4.2166	3.7234	3.6003	3.1655	3.0150	2.9738	2.9529	2.9467	2.7346	2.7282	2.5250	

<sup>a</sup> This test used the error mean square from the three-way analysis of variance of year, station, and replicate with velocity, depth, water temperature, and dissolved oxygen used as covariables.

Table 10. Three-way analysis of variance of the  $\ln(X + 1)$  abundance and biomass of fish captured per unit of electrofishing effort for the Kankakee River during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Asterisks denote significance at  $\underline{P} < 0.05$  (\*1),  $\underline{P} < 0.01$  (\*2), and  $\underline{P} < 0.0001$  (\*3).

Source of variation	df	Mean squares	
		Biomass	Abundance
Year	8	1.0796*1	5.3151*3
Station	9	4.2203*3	3.3841*3
Year vs. station	72	0.4651	0.3932*3
Replicate	3	0.9278	0.0815
Station vs. replicate	27	0.2959	0.1998
Velocity	1	0.0225	0.0356
Depth	1	0.5657	0.0045
Water temperature	1	0.8098	0.3999
Discharge	1	0.0966	1.8581*2
Mean gauge height	1	0.0265	1.6499*2
Delta gauge height	1	0.6749	1.6051*2
Error	234	0.4256	0.1944
Model	125	1.0198*3	1.2169*3
N		396	396
Coefficient of determination ( $r^2$ )		0.56	0.77

Table 11. Duncan's multiple comparison of the  $\ln(X + 1)$  biomass and abundance of fish captured per unit of electrofishing effort for the Kankakee River during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Means underscored by the same line are not significantly different ( $\bar{p} < 0.05$ )<sup>a</sup>.

BIOMASS										
Year (N = 40)	1981	1977	1984	1986	1983	1985	1982	1979	1978	
Mean	9.0527	8.7509	8.5085	8.4887	8.4627	8.4517	8.3044	8.1146	7.9600	
Station (N = 36)	1L	6L	4L	3L	5L	3R	1R	4R	5R	6R
Mean	9.0165	8.9789	8.6078	8.5942	8.4991	8.3744	8.2358	8.2164	8.1208	7.9051
ABUNDANCE										
Year (N = 40)	1986	1985	1978	1981	1977	1979	1984	1983	1982	
Mean	4.1397	4.0977	3.9659	3.8322	3.8206	3.4794	3.3759	3.0833	2.7616	
Station (N = 36)	1L	6L	5L	3L	4L	3R	4R	1R	5R	6R
Mean	3.9731	3.9438	3.9151	3.8640	3.7704	3.5953	3.5684	3.3646	3.2765	2.9028

<sup>a</sup> This test used the error mean square from the three-way analysis of variance of year, station, and replicate with velocity, depth, water temperature, discharge, mean gauge height, and delta gauge height used as covariables.

Table 12. Three-way analysis of variance of the  $\ln(X + 1)$  abundance and biomass of fish captured per unit of seine effort for the Kankakee River during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Asterisks denote significance at  $\underline{P} < 0.01$  (\*1) and  $\underline{P} < 0.0001$  (\*2).

Source of variation	df	Mean squares	
		Biomass	Abundance
Year	8	19.7365*2	25.4642*2
Station	9	8.2445*2	6.0222*2
Year vs. station	72	2.0946*1	1.7873*2
Replicate	3	0.8915	0.5097
Station vs. replicate	27	0.8908	0.7975
Velocity	1	2.2454	0.0355
Depth	1	0.4360	1.0846
Water temperature	1	0.0207	0.1377
Discharge	1	0.4691	0.0806
Mean gauge height	1	0.7686	0.3951
Delta gauge height	1	0.0258	0.3610
Error	234	1.2142	0.7865
Model	125	4.7488*2	4.8952*2
N		396	396
Coefficient of determination ( $r^2$ )		0.68	0.77



Table 13. Duncan's multiple comparison of the  $\ln(X + 1)$  biomass and abundance of fish captured per unit of seine effort for the Kankakee River during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986. Means underscored by the same line are not significantly different ( $\bar{p} < 0.05$ )<sup>a</sup>.

BIOMASS										
Year	1977	1985	1986	1979	1981	1978	1984	1983	1982	
(N = 40)										
Mean	4.7475	4.3937	3.7507	3.6544	3.5539	2.8680	2.4447	2.1412	1.9593	
Station	5L	5R	6R	1R	4L	3L	1L	6L	4R	3R
(N = 36)										
Mean	4.1667	4.1276	3.4134	3.3671	3.1973	3.1507	3.1327	2.9460	2.6555	2.6356
ABUNDANCE										
Year	1977	1985	1979	1986	1978	1984	1981	1983	1982	
(N = 40)										
Mean	4.9607	4.5875	3.3964	2.8928	2.7915	2.7171	2.4779	2.2450	1.8147	
Station	5R	5L	6R	1L	1R	4L	6L	3R	3L	4R
(N = 36)										
Mean	4.2166	3.7234	3.1655	3.0150	2.9738	2.9529	2.9467	2.7346	2.7282	2.5250

<sup>a</sup> This test used the error mean square from the three-way analysis of variance of year, station, and replicate with velocity, depth, water temperature, discharge, mean gauge height, and delta gauge height used as covariables.

Table 14. Mean condition factor, K(TL), of all species of fishes collected from the Kankakee River and Horse Creek during August 1986.

Species	N	K(TL)	SD	Range
Longnose gar	3	0.11	0.01	0.10-0.12
Gizzard shad	134	1.06	0.17	0.61-1.63
Grass pickerel	27	0.59	0.24	0.43-1.70
Northern pike	8	0.54	0.10	0.42-0.76
Central stoneroller	2	0.86	0.06	0.82-0.90
Carp	10	1.32	0.35	0.47-1.62
Silverjaw minnow	1	0.72	--	--
Hornyhead chub	3	1.02	0.22	0.78-1.20
Pallid chub	4	0.62	0.08	0.53-0.72
Golden shiner	1	0.79	--	--
Emerald shiner	3	0.63	0.12	0.54-0.76
Striped shiner	66	0.71	0.20	0.23-1.10
Red shiner	1	0.85	--	--
Rosyface shiner	27	0.68	0.11	0.47-0.89
Spotfin shiner	166	0.79	0.14	0.28-1.18
Sand shiner	113	0.75	0.14	0.34-1.22
Redfin shiner	29	0.70	0.10	0.31-0.82
Mimic shiner	16	0.70	0.10	0.56-0.91
Suckermouth minnow	12	0.78	0.12	0.57-0.96
Bluntnose minnow	742	0.81	0.12	0.28-1.32
Fathead minnow	1	0.63	--	--
Bullhead minnow	17	0.84	0.22	0.30-1.24
Quillback	49	1.22	0.13	0.90-1.56
White sucker	1	1.00	--	--
Northern hog sucker	21	1.20	0.41	0.89-2.89
Spotted sucker	2	0.96	0.08	0.91-1.02
Silver redhorse	18	1.07	0.15	0.79-1.34
River redhorse	103	1.11	0.27	0.70-3.20
Black redhorse	2	0.84	0.10	0.77-0.91
Golden redhorse	333	1.07	0.18	0.50-3.07
Shorthead redhorse	74	0.98	0.13	0.58-1.33
Black bullhead	1	1.51	--	--
Yellow bullhead	1	1.09	--	--
Channel catfish	4	0.90	0.23	0.62-1.12
Stonecat	1	0.71	--	--
Blackstripe topminnow	13	0.71	0.12	0.54-0.93
Brook silverside	25	0.38	0.05	0.29-0.48
Rock bass	269	1.89	0.27	0.46-2.94
Green sunfish	199	1.74	0.32	0.16-3.87
Pumpkinseed	4	1.78	0.16	1.54-1.87
Orangespotted sunfish	214	1.70	0.29	0.87-2.83
Bluegill	84	1.57	0.29	1.00-2.31
Longear sunfish	468	1.90	0.28	1.14-3.32
Green sunfish x bluegill	1	1.66	--	--
Smallmouth bass	225	1.16	0.21	0.51-2.83
Largemouth bass	26	1.34	0.74	0.46-4.63
White crappie	4	1.08	0.26	0.87-1.41
Black crappie	4	1.16	0.11	1.04-1.26
Johnny darter	27	0.65	0.14	0.30-0.88
Blackside darter	1	0.84	--	--
Slenderhead darter	6	0.72	0.05	0.64-0.78
Freshwater drum	1	1.46	--	--

Table 15. Number and percentage (in parentheses) of total catch by number of anomalies (macroparasites, diseases, malformities, and injuries) associated with fishes collected at each sampling station on the Kankakee River and Horse Creek during August 1986.

Anomaly	Station											Total
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	
<u>Neascus</u> (Trematoda)	19( 6.0)	34(12.8)	178(30.6)	26( 8.1)	49(27.1)	60(16.3)	34(17.8)	31( 6.4)	27(10.3)	20( 5.6)	57(23.6)	535(15.0)
Leeches (Hirudinea)	9( 2.8)	14( 5.3)	17( 2.9)	8( 2.5)	1( 0.6)	16( 4.3)	3( 1.6)	27( 5.6)	4( 1.5)	29( 8.2)	8( 3.3)	136( 3.8)
<u>Lernaea</u> (Copepoda)	3( 0.9)	6( 2.3)	5( 0.9)	2( 0.6)	3( 1.7)	12( 3.3)	3( 1.6)	18( 3.7)	12( 4.6)	6( 1.7)	11( 4.5)	81( 2.3)
Lesions	4( 1.3)	2( 0.8)	7( 1.2)	4( 1.2)	9( 5.0)	3( 0.8)	3( 1.6)	1( 0.2)	1( 0.4)	3( 0.8)	0	37( 1.0)
Malformity	0	1( 0.4)	2( 0.3)	3( 0.9)	2( 1.1)	1( 0.3)	1( 0.5)	2( 0.4)	2( 0.8)	5( 1.4)	1( 0.4)	20( 0.6)
Cysts and tumors	0	1( 0.4)	2( 0.3)	2( 0.6)	0	1( 0.3)	0	1( 0.2)	2( 0.8)	1( 0.3)	2( 0.8)	12( 0.3)
Injured	0	0	1( 0.2)	1( 0.3)	0	3( 0.8)	1( 0.5)	2( 0.4)	0	0	0	8( 0.2)
Fungus	0	0	2( 0.3)	1( 0.3)	0	0	0	0	0	1( 0.3)	0	4( 0.1)
<u>Argulus</u> (Copepoda)	0	0	0	0	0	0	0	0	0	1( 0.3)	0	1( 0.0)
Total	35(11.0)	58(21.8)	214(36.8)	47(14.6)	64(35.3)	96(26.1)	45(23.6)	82(17.0)	48(18.3)	66(18.6)	79(32.6)	834(23.4)

Table 16. Number of marked fish previously released, number and percentage of total catch (in parentheses) recaptured, and total catch (including recaptures) at each station in three electrofishing samples from the Kankakee River and Horse Creek during August 1986.

Station	8 August (Replicate B)			11 August (Replicate C)			14 August (Replicate D)			Total		
	Marked fish released	Recaptured fish (%)	Total catch	Marked fish released	Recaptured fish (%)	Total catch	Marked fish released	Recaptured fish (%)	Total catch	Marked fish released	Recaptured fish (%)	Total catch
1L	60	1( 1.8)	57	104	5(10.2)	49	141	4( 7.3)	55	141	10( 6.2)	161
1R	41	1( 2.9)	35	60	3(10.0)	30	81	1( 1.6)	61	81	5( 4.0)	126
2	48	11( 8.7)	127	109	16(16.8)	95	146	29(14.3)	203	146	56(13.2)	425
3L	27	2( 2.9)	70	70	12(21.8)	55	106	7(15.5)	45	106	21(12.4)	170
3R	24	1( 3.0)	33	47	4(13.3)	30	63	1( 3.3)	30	63	6( 6.5)	93
4L	42	4( 7.5)	53	84	10(15.4)	65	132	8(32.0)	25	132	22(15.4)	143
4R	19	2( 5.3)	38	49	6(15.4)	39	82	3( 7.3)	41	82	11( 9.3)	118
5L	45	3( 2.5)	119	123	12(16.0)	75	180	17(17.3)	98	180	32(11.0)	292
5R	32	1( 2.7)	37	55	1( 3.2)	31	72	1( 1.8)	56	72	3( 2.4)	124
6L	59	6(10.9)	55	114	3( 3.5)	85	180	8(12.7)	63	180	17( 8.4)	203
6R	12	0	33	35	0	32	41	0	15	41	0	80
Total	409	32( 4.9)	657	850	72(12.3)	586	1,224	79(11.4)	692	1,224	183( 9.5)	1,935

Table 17. Number of marked fish previously released, number and percentage of total catch (in parentheses) recaptured and whether they were marked in Subreplicate A (A), B (B), or C (C), and total catch (including recaptures) for each species recaptured in three electrofishing samples from the Kankakee River and Horse Creek during August 1986.

Species	8 August (Replicate B)				11 August (Replicate C)				14 August (Replicate D)			
	Marked fish released		Recaptured fish (%)		Marked fish released		Recaptured fish (%)		Marked fish released		Recaptured fish (%)	
	A	Total	A	Total	A	Total	A	Total	A	Total	A	Total
Gizzard shad	25	0 0	1	2 3(11.5)	60	1 2 3(11.5)	26	86	1 3 0 4(12.5)	32	86	7( 7.1)
Northern pike	3	0 0	0	1 1(100.0)	5	0 1 1(100.0)	1	6	0 1 1 2(100.0)	2	6	3(60.0)
Quillback	8	0 0	0	1 1( 8.3)	18	0 1 1( 8.3)	12	30	0 1 0 1( 7.1)	14	30	2( 5.4)
Silver redhorse	6	1 1(25.0)	0	0 0 0	9	0 0 0	4	13	0 0 0 0	4	13	1( 8.3)
River redhorse	5	2 2( 6.2)	3	2 5(15.6)	37	3 2 5(15.6)	32	69	0 1 1 2( 7.1)	28	69	9( 9.8)
Golden redhorse	90	2 2( 3.3)	2	4( 5.3)	145	2 2 4( 5.3)	76	216	2 1 2 5( 7.4)	68	216	11( 5.4)
Shorthead redhorse	19	1 1( 6.2)	0	1 1( 5.6)	32	0 1 1( 5.6)	18	50	0 0 0 0	15	50	2( 4.1)
Northern hog sucker	6	0 0	0	0 0 0	12	0 0 0	4	16	0 1 0 1(20.0)	5	16	1( 6.7)
Smallmouth bass	74	6 6(11.1)	5	3 8(21.6)	126	5 3 8(21.6)	37	163	6 4 0 10(23.8)	42	163	24(18.0)
Largemouth bass	5	1 1(12.5)	0	2 2(28.6)	12	0 2 2(28.6)	7	18	0 0 1 1(20.0)	5	18	4(20.0)
Green sunfish	32	1 1( 2.3)	4	4 8(21.1)	65	4 4 8(21.1)	38	99	4 5 3 12(21.1)	57	99	21(15.1)
Pumpkinseed	1	0 0	0	0 0 0	2	0 0 0	0	2	0 1 0 1(50.0)	2	2	1(33.3)
Orangespotted sunfish	25	1 1( 1.3)	2	1 3( 9.7)	72	2 1 3( 9.7)	31	91	2 4 2 8(42.1)	19	91	12( 9.4)
Bluegill	8	0 0	0	1 1( 7.7)	18	0 1 1( 7.7)	13	22	0 1 0 1( 5.9)	17	22	2( 4.7)
Longear sunfish	64	9 9( 7.7)	14	9 23(22.8)	123	14 9 23(22.8)	101	181	6 5 7 18(20.7)	87	181	50(16.4)
Rock bass	64	8 8(11.9)	5	7 12(27.3)	123	5 7 12(27.3)	44	164	4 5 4 13(22.4)	58	164	33(19.5)

Table 18. Mean diversity indices ( $\bar{d}$ ) for the catch of fishes at each station during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986 for electrofishing, seining, and both methods combined.

Year	Station												
	1L	1R	2	3L	3R	4L	4R	3-4L	3-4R	5L	5R	6L	6R
Electrofishing (N = 4)													
1977	3.31	2.89	3.15	--	--	--	--	3.31	2.85	3.33	3.31	3.22	2.94
1978	3.12	2.51	3.02	2.68	2.56	2.91	2.75	--	--	2.92	3.73	3.09	2.42
1979	3.04	2.83	3.23	2.75	2.72	2.55	2.65	--	--	3.29	3.05	3.07	2.94
1981	3.16	3.20	3.29	3.11	2.84	2.87	2.90	--	--	3.53	3.38	3.01	2.86
1982	2.65	2.31	3.24	2.15	2.26	2.11	1.93	--	--	2.73	1.17	3.16	2.23
1983	2.72	2.91	3.31	2.63	2.28	2.13	1.66	--	--	3.04	2.46	2.79	2.42
1984	2.55	2.82	2.93	2.35	2.42	2.38	2.53	--	--	2.90	2.40	2.32	2.68
1985	2.66	2.89	3.61	2.44	3.56	2.23	2.77	--	--	3.04	3.33	2.64	3.10
1986	3.09	3.29	3.05	2.87	3.17	3.04	2.84	--	--	3.26	3.19	2.88	3.18
Seining (N = 4)													
1977	2.52	2.21	2.71	2.81	2.16	2.89	2.15	--	--	2.55	2.66	2.60	2.50
1978	1.56	2.15	1.47	1.45	2.19	1.39	1.69	--	--	2.49	2.24	1.29	2.33
1979	2.00	1.85	1.80	1.81	1.31	2.42	1.73	--	--	2.81	2.26	2.28	1.81
1981	1.95	2.25	1.82	2.14	0.78	1.73	1.17	--	--	2.72	2.88	1.67	2.61
1982	1.51	1.10	1.63	0.91	0.00	0.72	0.82	--	--	2.39	2.30	0.80	0.81
1983	1.19	1.11	0.76	0.46	0.23	0.95	0.82	--	--	2.26	2.08	0.47	1.55
1984	1.29	1.05	1.11	1.83	0.71	1.07	0.22	--	--	1.99	1.86	0.84	1.32
1985	2.17	2.69	2.80	1.84	2.05	2.42	2.53	--	--	2.19	3.07	1.32	2.99
1986	1.53	2.24	1.26	1.75	0.87	1.44	1.46	--	--	2.49	1.74	2.34	1.74
Combined (N = 8)													
1977	3.53	3.15	3.15	2.81	2.16	2.89	2.15	3.31	2.85	3.35	3.40	3.84	3.07
1978	3.30	3.17	3.40	2.98	3.01	3.20	3.28	--	--	3.40	3.02	3.22	3.36
1979	3.54	3.09	2.78	3.23	2.65	3.47	3.02	--	--	4.06	2.83	3.62	2.72
1981	3.61	3.72	3.56	3.54	3.23	3.48	3.27	--	--	4.15	4.06	3.29	3.58
1982	3.17	2.85	3.37	2.36	2.39	2.56	2.64	--	--	3.53	2.82	3.11	2.79
1983	2.91	2.84	3.17	2.73	2.15	2.56	2.17	--	--	3.47	3.07	2.01	2.75
1984	2.48	3.07	3.09	2.99	2.42	2.16	2.52	--	--	3.12	2.88	2.29	2.86
1985	2.42	2.79	3.21	2.14	2.80	2.32	2.65	--	--	2.62	3.20	1.98	3.04
1986	2.31	2.77	2.15	2.31	2.02	2.24	2.15	--	--	2.88	2.47	2.61	2.46

Table 19. Summary worksheet for Index of Biotic Integrity (IBI) calculations based on fishes collected from the Braidwood Station Aquatic Monitoring Area, including the Kankakee River and Horse Creek during August 1986.

Classification of data	Results	IBI metric rating
Number of species		
Total	51	5
Darters	3	5
Sunfishes	8	5
Suckers	9	5
Intolerants	10	5
Proportion of individuals		
Green sunfish	5.6%	3
Ominvores	23.0%	3
Insectivores <sup>a</sup>	72.1%	3
Piscivores (top carnivores)	21.6%	5
Hybrids	--	5
Diseased or anomaly	23.4%	1
Total number of individuals in sample	3,567	3
IBI total score	48	
Integrity class	good	

<sup>a</sup> Proportion of insectivores is more appropriately used for large rivers, rather than insectivorous cyprinids.

Appendix

KANKAKEE RIVER FISHES OF THE BRAIDWOOD  
STATION AQUATIC MONITORING AREA,  
AUGUST 1986

Submitted to

Commonwealth Edison Company

by

Illinois Natural History Survey  
Champaign, Illinois

R. W. Larimore  
Principal Investigator

Thomas J. Kwak  
Project Coordinator

January 1987



Appendix A-1. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek on 5 August 1986.

Parameter	Stations											
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	
Time	0816	0800	1700	0944	0924	1125	1055	1238	1217	1450	1432	
Air temperature (C)	22.5	22.5	23.0	25.5	25.0	33.0	30.0	28.0	27.5	26.0	26.5	
Water velocity (cm/sec)	44	65	0	44	1	8	19	0	0	8	8	
pH	8.2	8.2	7.9	8.5	8.5	8.3	8.4	8.3	8.2	8.1	8.1	
Turbidity (N.T.U.)	14	12	5	11	15	12	15	23	10	16	14	
Conductivity (umhos/cm)	590	595	590	610	600	610	610	600	610	590	590	
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	
0	23.0	7.2	22.5	7.2	21.0	7.5	23.0	8.4	23.1	7.7	23.2	
0.5	23.0	7.4	22.5	7.3	21.0	7.5	22.9	8.4	23.0	7.6	23.2	
1.0			22.5	7.3			22.8	8.3	23.0	7.6	23.2	
1.5			22.5	7.3			22.8	7.9	22.9	8.2	23.0	
2.0			22.5	7.4			22.8	7.5	23.0	7.5	23.1	

Appendix A-2. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek on 8 August 1986.

Parameter	Stations											
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	
Time	0756	0743	1455	0825	0815	1015	0956	1150	1135	1321	1300	
Air temperature (C)	22.0	21.0	26.0	23.0	24.0	24.0	24.0	28.0	26.0	25.0	27.0	
Water velocity (cm/sec)	22	25	0	21	4	13	6	0	3	6	13	
pH	8.9	8.2	7.6	8.6	8.4	8.4	8.4	8.4	8.3	8.4	8.4	
Turbidity (N.T.U.)	16	11	7	15	13	13	11	43	12	14	11	
Conductivity (umhos/cm)	620	620	610	620	630	620	630	680	620	660	620	
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	
0	22.0	8.5	22.0	8.1	22.2	8.0	22.2	9.0	22.0	8.4	23.5	
0.5	22.0	8.4	22.0	8.2	21.9	7.5	22.1	9.1	22.0	8.5	23.5	
1.0	22.0	8.2	22.0	8.2	21.8	7.2	22.1	8.5	22.2	8.8	22.5	
1.5	22.0	8.0	22.0	8.0	22.1	8.0	22.2	8.8	22.9	8.4	22.5	
2.0							22.2	8.8	22.8	8.5	8.2	

Appendix A-3. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek on 11 August 1986.

Parameter	Stations																			
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R									
Time	0751	0737	1626	0822	0807	0959	0945	1125	1113	1346	1321									
Air temperature (C)	19.5	20.0	23.0	20.0	20.0	24.0	23.0	22.0	22.0	25.0	25.0									
Water velocity (cm/sec)	4	12	4	28	0	15	3	0	2	1	4									
pH	8.4	8.3	8.2	8.4	8.3	8.5	8.4	8.2	8.4	8.2	8.7									
Turbidity (N.T.U.)	19	18	7	16	16	15	14	37	19	21	18									
Conductivity (umhos/cm)	610	610	680	610	610	605	605	620	610	630	620									
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.									
0	21.5	9.2	21.2	9.1	21.0	9.5	21.2	9.8	21.0	8.3	21.7	9.0	21.7	9.0	21.8	9.2	23.2	9.2	22.5	9.7
0.5	21.5	8.6	21.5	9.1	21.0	9.3	21.2	9.7	21.0	8.1	21.5	8.2	21.7	8.4	22.4	8.1	22.4	8.9	22.5	9.7
1.0			21.5	8.7			21.2	9.6	21.0	7.9	21.5	8.2	21.2	8.3	22.4	8.0	22.4	8.4	22.0	9.5
1.5			21.5	8.6			21.2	9.5											22.0	8.4

Appendix A-4. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek on 14 August 1986.

Parameter	Stations																					
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R											
Time	0802	0749	1537	0828	0818	1022	1010	1135	1120	1348	1330											
Air temperature (C)	19.5	19.0	27.0	20.5	20.0	22.0	22.0	26.0	26.0	28.0	28.0											
Water velocity (cm/sec)	10	10	0	20	1	14	5	4	2	3	13											
pH	8.4	8.3	8.3	8.6	8.5	8.5	8.4	8.4	8.4	8.4	8.4											
Turbidity (N.T.U.)	14	14	13	15	15	14	15	49	16	18	15											
Conductivity (umhos/cm)	610	600	720	605	605	605	605	595	600	600	595											
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.											
0	20.7	9.7	20.5	9.1	21.5	10.2	20.9	9.6	20.2	9.8	21.0	8.9	21.0	9.1	21.5	9.8	21.4	9.5	22.1	9.4	22.0	9.8
0.5	20.7	9.5	20.7	9.0	20.2	10.0	20.9	9.5	20.2	9.0	21.0	8.7	21.0	9.1	21.2	9.6	21.2	9.6	22.0	8.9	21.5	10.2
1.0			20.9	8.7			20.5	9.8	20.5	8.6	20.7	8.6	21.1	9.0	21.1	9.4	21.1	8.9			21.0	9.6
1.5			20.7	8.5																	21.0	9.1

Appendix B-1. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek on 4 August 1986.

Parameter	Stations																							
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R													
Time	1210	1120	1708	1329	1305	1425	1400	1525	1455	1625	1605													
Air temperature (C)	26.0	26.0	26.0	27.5	27.5	29.5	27.5	29.0	27.0	28.0	29.0													
Water velocity (cm/sec)	8	6	1	8	7	0	11	0	0	0	9													
pH	8.2	8.2	7.7	8.2	8.2	8.1	8.2	8.3	8.0	7.8	8.0													
Turbidity (N.T.U.)	16	19	5	14	12	12	16	23	16	14	12													
Conductivity (umhos/cm)	590	560	630	580	590	560	590	610	580	580	560													
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.													
0	23.0	7.3	21.8	6.4	22.0	8.8	22.0	8.8	24.0	7.9	23.5	8.2	23.8	8.0	23.0	7.1	28.0	10.2	23.0	7.1	23.7	6.8	23.0	7.2
0.5	22.5	7.0	21.8	6.4	21.7	7.2	23.0	7.5	23.0	7.5	23.0	7.7	23.2	8.1	23.0	7.2	27.8	10.0	22.8	6.8	23.5	6.2	22.9	7.2
1.0	22.5	6.9	21.8	6.4									23.4	8.1						22.8	6.8			

Appendix B-2. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek on 12 August 1986.

Parameter	Stations																					
	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R											
Time	1112	1046	1635	1255	1220	1340	1320	1440	1415	1555	1530											
Air temperature (C)	21.5	21.0	25.0	29.0	25.0	26.0	28.5	28.0	26.0	27.0	26.0											
Water velocity (cm/sec)	4	4	1	2	18	0	7	0	1	1	7											
pH	8.4	8.4	8.2	8.4	8.5	8.2	8.4	8.6	8.4	7.8	8.3											
Turbidity (N.T.U.)	23	16	7	16	14	18	16	74	26	63	36											
Conductivity (umhos/cm)	630	610	720	630	620	640	630	660	630	670	630											
Depth (m)	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.	Temp D.O.											
0	22.0	8.2	20.8	7.2	21.8	8.6	22.6	9.2	22.0	9.6	22.8	8.8	21.6	8.4	24.8	11.3	22.5	9.1	24.8	9.2	21.5	8.7
0.5	21.5	8.2	20.8	7.2	21.8	8.8	22.5	8.9	22.0	9.2	22.0	8.8	21.6	8.2	24.2	10.9	22.2	8.5	23.8	8.5	21.5	8.7
1.0												21.9	8.4									

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986.

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
1L	A	08 05 86	GRASS PICKEREL CARP	1 104	6.21	0.55
			ROSYFACE SHINER	1 580	3084.00	1.58
				2 64	1.93	0.74
				3 61	1.39	0.61
			SPOTFIN SHINER	3 61	1.12	0.49
				1 53	1.48	0.99
				2 65	2.44	0.89
				3 67	2.87	0.95
				4 52	1.25	0.89
				5 48	1.00	0.90
				6 46	0.73	0.75
				7 47	0.99	0.95
			SAND SHINER	1 61	1.79	0.79
			BLUNTNOSE MINNOW	1 73	3.13	0.80
				2 47	0.89	0.86
				3 52	1.63	1.16
				4 59	1.70	0.83
				1 60	1.87	0.87
			BULLHEAD MINNOW	1 391	670.00	1.12
			QUILLBACK	2 375	650.00	1.23
			NORTHERN HOGSUCKER	1 190	66.00	0.96
				2 146	46.00	1.48
				3 143	26.00	0.89
			RIVER REDHORSE	1 130	21.00	0.96
				2 97	8.61	0.94
			GOLDEN REDHORSE	1 159	36.00	0.90
				2 282	245.00	1.09
				3 250	158.00	1.01
				4 449	948.00	1.05
				5 442	840.00	0.97
				6 380	515.00	0.94
				7 322	395.00	1.18
				8 179	67.00	1.17
				9 136	24.00	0.95
				10 125	17.00	0.87
				11 110	13.00	0.98

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	A	08 05 86	GOLDEN REDHORSE	12	129	15.00	0.70
				13	184	64.00	1.03
				14	155	36.00	0.97
				15	135	24.00	0.98
				16	114	13.00	0.88
				17	109	12.00	0.93
				18	119	16.00	0.95
				19	112	12.00	0.85
				20	123	17.00	0.91
				21	89	7.47	1.06
				22	101	9.42	0.91
				23	101	11.67	1.13
				24	116	15.63	1.00
				25	117	15.55	0.97
				26	121	19.05	1.08
				27	127	20.11	0.98
			SHORTHEAD REDHORSE	1	393	565.00	0.93
				2	119	13.00	0.77
				3	129	22.00	1.02
				4	145	26.00	0.85
				5	142	27.00	0.94
				6	100	10.00	1.00
				7	103	11.00	1.01
				8	104	12.00	1.07
				9	114	16.04	1.08
			ROCK BASS	1	202	168.00	2.04
				2	111	24.00	1.75
				3	152	62.00	1.77
				4	192	142.00	2.01
				5	192	144.00	2.03
				6	91	15.00	1.99
				7	76	7.08	1.61
			ORANGESPOTTED SUNFISH	1	75	6.00	1.42
			LONGEAR SUNFISH	1	95	18.00	2.10
				2	72	6.00	1.61
				3	111	24.00	1.75



APPENDIX G-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	A	08 05 86	LONGEAR SUNFISH	4	99	18.00	1.86
				5	71	8.00	2.24
			SMALLMOUTH BASS	1	333	530.00	1.44
				2	182	62.00	1.03
				3	202	103.00	1.25
				4	190	70.00	1.02
				5	127	20.00	0.98
				6	110	15.00	1.13
				7	325	430.00	1.25
				8	95	8.00	0.93
				9	113	12.00	0.83
				10	132	24.00	1.04
				11	136	23.00	0.91
				12	121	17.00	0.96
				13	111	15.02	1.10
				14	113	14.88	1.03
				15	131	22.85	1.02
				16	97	9.84	1.08
			LARGEMOUTH BASS	1	123	19.00	1.02
			GIZZARD SHAD	1	78	3.87	0.82
			CENTRAL STONEROLLER	1	50	1.02	0.82
			STRIPED SHINER	1	93	8.67	1.08
			ROSYFACE SHINER	1	60	1.33	0.62
				2	38	0.39	0.71
			SPOTFIN SHINER	1	48	1.30	1.18
			SAND SHINER	1	53	1.05	0.71
			BLUNTNOSE MINNOW	1	65	2.17	0.79
				2	48	0.79	0.71
			NORTHERN HOGSUCKER	1	335	410.00	1.09
			RIVER REDHORSE	1	147	42.00	1.32
				2	144	27.00	0.90
				3	154	39.00	1.07
				4	152	31.00	0.88
				5	126	20.00	1.00
				6	130	21.00	0.96
				7	125	16.00	0.82
	B	08 08 86					



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
1L	B	08 08 86	SMALLMOUTH BASS	4 293	320.00	1.27
				5 120	22.00	1.27
				6 92	14.00	1.80
				7 97	9.84	1.08
	C	08 11 86	ROSYFACE SHINER	1 62	1.41	0.59
			SPOTFIN SHINER	1 76	3.98	0.91
				2 71	2.94	0.82
				3 67	2.79	0.93
			BLUNTNOSE MINNOW	1 63	2.11	0.84
				2 61	1.81	0.80
				3 51	1.04	0.78
			RIVER REDHORSE	1 145	30.00	0.98
				2 146	32.00	1.03
				3 134	23.00	0.96
				4 126	21.00	1.05
				5 127	21.00	1.03
				6 145	28.00	0.92
				7 140	30.00	1.09
				8 101	12.00	1.16
				9 113	15.00	1.04
				10 104	12.00	1.07
				11 560	1340.00	0.76
			GOLDEN REDHORSE	1 399	695.00	1.09
				2 302	290.00	1.05
				3 382	650.00	1.17
				4 155	34.00	0.91
				5 252	163.00	1.02
				6 140	29.00	1.06
				7 243	180.00	1.25
				8 121	18.00	1.02
				9 157	38.00	0.98
				10 117	16.00	1.00
				11 144	29.00	0.97
				12 125	20.00	1.02
				13 135	29.00	1.18
				14 126	21.00	1.05

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
1L	C	08 11 86	GOLDEN REDHORSE	15	96	9.73	1.10
			SHORTHEAD REDHORSE	1	418	655.00	0.90
			ROCK BASS	2	158	33.00	0.84
				1	190	135.00	1.97
				2	215	225.00	2.26
			BLUEGILL	3	219	240.00	2.28
			LONGEAR SUNFISH	1	86	11.00	1.73
				1	95	18.00	2.10
				2	66	4.32	1.50
				3	56	2.84	1.62
				4	58	2.94	1.51
				5	55	2.16	1.30
			SMALLMOUTH BASS	1	246	182.00	1.22
				2	110	12.00	0.90
				3	110	10.00	0.75
				4	95	12.00	1.40
				5	119	20.00	1.19
				1	71	3.26	0.91
			SPOTFIN SHINER	1	58	1.65	0.85
			BLUNTNOSE MINNOW	2	61	1.96	0.86
				3	54	1.30	0.83
				4	54	1.30	0.83
				5	68	2.82	0.90
				6	49	0.94	0.80
				7	48	0.88	0.80
				8	50	1.00	0.80
				9	56	1.47	0.84
			NORTHERN HOGSUCKER	1	325	400.00	1.17
			SILVER REDHORSE	1	186	55.00	0.85
			RIVER REDHORSE	1	144	30.00	1.00
				2	145	30.00	0.98
				3	140	30.00	1.09
				4	121	20.00	1.13
				5	130	25.00	1.14
				6	124	18.00	0.94
				7	110	12.00	0.90

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	D	08 14 86	GOLDEN REDHORSE	1	405	700.00	1.05
				2	290	230.00	0.94
				3	152	30.00	0.85
				4	146	30.00	0.96
				5	141	26.00	0.93
				6	143	30.00	1.03
				7	137	24.00	0.93
				8	117	16.00	1.00
				9	339	448.00	1.15
				10	131	20.00	0.89
				11	120	17.46	1.01
				12	105	11.56	1.00
				13	112	14.12	1.01
			SHORTHEAD REDHORSE	1	348	450.00	1.07
			YELLOW BULLHEAD	1	140	30.00	1.09
			CHANNEL CATFISH	1	330	380.00	1.06
			ROCK BASS	1	215	200.00	2.01
				2	209	200.00	2.19
				3	205	200.00	2.32
				4	90	10.00	1.37
				5	86	12.00	1.89
			ORANGESPOTTED SUNFISH	1	72	15.93	4.27
			BLUEGILL	1	95	15.00	1.75
			LONGEAR SUNFISH	1	107	23.00	1.88
				2	100	19.00	1.90
				3	86	13.00	2.04
				4	91	14.24	1.89
				5	58	3.22	1.65
			SMALLMOUTH BASS	1	132	65.00	2.83
				2	270	210.00	1.07
				3	295	380.00	1.48
				4	227	150.00	1.28
				5	112	18.00	1.28
				6	200	84.00	1.05
				7	207	80.00	0.90
				7	129	29.00	1.35

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
1R	A	08 05 86	GIZZARD SHAD	1 222	122.00	1.12
				2 365	510.00	1.05
				3 207	96.00	1.08
				4 80	4.68	0.91
				5 79	4.42	0.90
			HORNYHEAD CHUB	1 82	6.61	1.20
			SPOTFIN SHINER	1 86	5.30	0.83
				2 58	1.71	0.88
				3 60	1.79	0.83
				1 77	4.17	0.91
			BLUNTNOSE MINNOW	1 340	455.00	1.16
			QUILLBACK	2 370	660.00	1.30
			SILVER REDHORSE	1 378	555.00	1.03
				1 450	720.00	0.79
				1 170	42.00	0.85
			RIVER REDHORSE	1 116	14.80	0.95
				2 96	8.56	0.97
				1 161	38.02	0.91
			BLACK REDHORSE	1 352	480.00	1.10
			GOLDEN REDHORSE	2 350	430.00	1.00
				3 390	620.00	1.05
				4 305	315.00	1.11
				5 372	545.00	1.06
				6 335	410.00	1.09
				7 332	405.00	1.11
				8 335	400.00	1.06
				9 125	19.00	0.97
				10 415	700.00	0.98
				11 340	460.00	1.17
				12 328	400.00	1.13
				13 290	310.00	1.27
				14 280	255.00	1.16
				15 120	12.00	0.69
				16 126	18.63	0.93
				17 132	24.22	1.05
				18 115	14.96	0.98

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	A	08 05 86	GOLDEN REDHORSE	19	108	13.37	1.06
				20	107	13.08	1.07
				21	122	17.51	0.96
				22	109	15.04	1.16
				23	108	13.61	1.08
				24	112	13.65	0.97
				25	111	13.22	0.97
			SHORthead REDHORSE	1	443	875.00	1.01
				2	152	24.00	0.68
				3	152	29.00	0.83
				4	139	24.38	0.91
			BLACKSTRIPe TOPMINNOW	1	64	2.42	0.92
			ROCK BASS	1	135	49.00	1.99
				2	190	175.00	2.55
				3	76	2.00	0.46
				4	64	4.53	1.73
				5	52	2.47	1.76
			LONGEAR SUNFISH	1	105	25.00	2.16
				2	105	25.00	2.16
				3	120	38.00	2.20
				4	106	26.00	2.18
				5	102	24.00	2.26
				6	118	26.00	1.58
				7	100	16.00	1.60
				8	85	7.00	1.14
				9	71	5.58	1.56
				10	58	3.16	1.62
				11	55	2.77	1.66
			SMALLMOUTH BASS	1	255	215.00	1.30
				2	110	16.00	1.20
				3	200	82.00	1.02
				4	300	370.00	1.37
				1	214	101.00	1.03
				1	515	735.00	0.54
				1	77	4.49	0.98
				1	72	3.02	0.81
	B	08 08 86	GIZZARD SHAD				
			NORTHERN PIKE				
			STRIPED SHINER				
			ROSYFACE SHINER				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
1R	B	08 08 86	ROSYFACE SHINER	2	61	0.73
				3	63	0.76
			SPOTFIN SHINER	4	54	0.79
				1	64	1.03
				2	56	0.90
				3	54	0.94
			BLUNTNOSE MINNOW	4	56	0.92
				1	70	0.91
				2	63	0.82
			NORTHERN HOGSUCKER	1	312	1.19
			SILVER REDHORSE	1	363	1.30
				2	125	1.13
			RIVER REDHORSE	1	110	1.13
			GOLDEN REDHORSE	1	279	1.11
				2	297	1.05
				3	238	0.89
			SHORTHEAD REDHORSE	4	133	0.98
				1	139	0.74
			BLACKSTRIPE TOPMINNOW	2	131	0.93
			ROCK BASS	1	61	0.93
				1	207	1.80
				2	121	1.81
			GREEN SUNFISH	1	49	2.34
			LONGEAR SUNFISH	1	101	1.84
				2	85	1.95
				3	95	1.98
				4	72	1.67
				5	58	1.66
			SMALLMOUTH BASS	6	65	1.92
				1	187	1.13
				2	100	1.10
			GRASS PICKEREL	1	98	1.70
			ROSYFACE SHINER	1	60	0.69
			SPOTFIN SHINER	1	74	0.56
			BLUNTNOSE MINNOW	1	66	0.77
				2	59	0.85
	C	08 11 86				



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	C	08 11 86	BLUNTNORSE MINNOW	3	64	2.22	0.85
			SILVER REDHORSE	1	431	1075.00	1.34
			RIVER REDHORSE	1	102	14.00	1.32
			GOLDEN REDHORSE	1	354	700.00	1.58
				2	396	725.00	1.17
				3	177	67.00	1.21
				4	310	335.00	1.12
				5	142	33.00	1.15
				6	163	42.00	0.97
				7	132	28.00	1.22
				8	126	14.00	0.70
				9	120	16.26	0.94
				10	114	15.35	1.04
			SHORRHEAD REDHORSE	1	154	34.00	0.93
			ROCK BASS	1	195	148.00	2.00
				2	79	5.00	1.01
			LONGEAR SUNFISH	1	99	22.00	2.27
				2	100	16.00	1.60
				3	120	33.00	1.91
				4	101	28.00	2.72
				5	66	4.75	1.65
				6	61	4.08	1.80
			SMALLMOUTH BASS	1	106	16.00	1.34
				2	123	23.00	1.24
				3	112	21.00	1.49
				1	125	2.00	0.10
			LONGNOSE GAR	1	170	44.00	0.90
			GIZZARD SHAD	1	120	15.00	0.87
			GRASS PICKEREL	1	63	1.83	0.73
			ROSYFACE SHINER	2	48	0.68	0.61
			SPOTFIN SHINER	1	60	1.93	0.89
				2	47	0.81	0.78
				3	81	4.41	0.83
				4	72	3.41	0.91
				5	67	2.63	0.87
				6	58	1.40	0.72

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	D	08 14 86	SPOTFIN SHINER	7	54	1.34	0.85
				8	54	1.22	0.77
			BLUNTHOSE MINNOW	9	51	1.25	0.94
				1	66	2.42	0.84
				2	47	0.86	0.83
				3	60	1.91	0.88
				4	64	2.11	0.80
			QUILLBACK	1	390	680.00	1.15
				2	330	470.00	1.31
				3	360	650.00	1.39
				4	350	580.00	1.35
			NORTHERN HOGSUCKER	1	200	72.00	0.90
			SILVER REDHORSE	1	391	660.00	1.10
			RIVER REDHORSE	2	185	67.00	1.06
				1	120	15.00	0.87
				2	127	17.97	0.88
			GOLDEN REDHORSE	1	310	320.00	1.07
				2	315	350.00	1.12
				3	280	250.00	1.14
				4	310	300.00	1.01
				5	265	200.00	1.07
				6	210	110.00	1.19
				7	130	20.00	0.91
				8	130	19.62	0.89
			SHORTHEAD REDHORSE	9	117	13.94	0.87
				1	356	490.00	1.09
				2	155	40.00	1.07
				8	121	14.79	0.83
			ROCK BASS	1	180	110.00	1.89
				2	110	32.00	2.40
				3	95	15.00	1.75
				4	85	15.00	2.44
			GREEN SUNFISH	1	58	3.39	1.74
			BLUEGILL	1	75	8.00	1.90
			LONGEAR SUNFISH	1	115	30.00	1.97
				2	115	27.00	1.78

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	D	08 14 86	LONGEAR SUNFISH	3	85	15.00	2.44
				4	105	24.00	2.07
				5	81	9.17	1.73
				6	82	9.01	1.63
				7	67	5.10	1.70
				8	72	6.67	1.79
				9	63	4.23	1.69
				10	64	4.40	1.68
				11	63	4.40	1.76
				12	60	3.51	1.62
				13	58	3.41	1.75
				14	57	2.95	1.59
				1	232	150.00	1.20
				2	110	10.00	0.75
2	A	08 05 86	SMALLMOUTH BASS	1	277	235.00	1.11
				2	200	93.00	1.16
			NORTHERN PIKE	1	263	105.00	0.58
				1	47	0.81	0.78
			SPOTFIN SHINER	1	58	1.58	0.81
				2	50	1.00	0.80
			SAND SHINER	3	48	0.84	0.76
				4	48	0.92	0.83
			BLUNTNOSE MINNOW	5	44	0.61	0.72
				6	43	0.60	0.75
				1	53	1.25	0.84
				2	53	1.18	0.79
				3	53	1.54	1.03
				4	48	0.92	0.83
				5	52	1.21	0.86
				6	52	1.08	0.77
				7	46	0.84	0.86
				8	51	0.97	0.73
				9	51	1.16	0.87
				10	49	0.90	0.76
				11	51	1.58	1.19
				12	47	0.94	0.91

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 86	BLUNTNOWSE MINNOW	13	51	0.96	0.72
				14	43	0.63	0.79
				15	26	0.14	0.80
				16	66	3.20	1.11
				17	58	1.63	0.84
				18	76	4.14	0.94
				19	59	1.89	0.92
				20	57	1.47	0.79
				21	57	1.70	0.92
				22	47	0.82	0.79
				23	55	1.51	0.91
				24	47	0.81	0.78
				25	46	0.71	0.73
				26	47	0.76	0.73
				27	50	0.96	0.77
			QUILLBACK	1	380	755.00	1.38
			GOLDEN REDHORSE	1	296	310.00	1.20
				2	225	140.00	1.23
				3	142	26.00	0.91
				4	138	25.15	0.96
			ROCK BASS	1	139	45.00	1.68
				2	215	220.00	2.21
				3	134	38.00	1.58
				4	166	88.00	1.92
				5	113	23.00	1.59
				6	94	13.00	1.57
				7	118	30.00	1.83
				8	99	15.00	1.55
				9	88	12.36	1.81
				10	80	8.42	1.64
				11	77	8.36	1.83
			GREEN SUNFISH	1	112	18.00	1.28
				2	160	84.00	2.05
				3	160	65.00	1.59
				4	130	40.00	1.82
				5	147	54.00	1.70

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	A	08 05 86	GREEN SUNFISH	6 152	65.00	1.85
				7 125	33.00	1.69
				8 105	21.00	1.81
				9 97	16.00	1.75
				10 82	8.88	1.61
				11 68	6.06	1.93
				12 58	3.11	1.59
				13 52	2.36	1.68
				1 81	9.00	1.69
				2 81	7.58	1.43
				3 77	7.39	1.62
				4 69	4.70	1.43
				1 56	2.44	1.39
				1 114	35.00	2.36
				2 119	26.00	1.54
				3 123	40.00	2.15
				4 108	26.00	2.06
				5 99	21.00	2.16
				6 89	17.00	2.41
				7 110	20.00	1.50
				8 97	21.00	2.30
				9 97	18.00	1.97
				10 114	32.00	2.16
				11 111	30.00	2.19
				12 103	18.00	1.65
				13 104	21.00	1.87
				14 89	14.00	1.99
				15 98	17.00	1.81
				16 86	8.00	1.26
				17 95	16.00	1.87
				18 82	9.82	1.78
				19 81	9.50	1.79
				20 81	9.52	1.79
				21 75	7.23	1.71
				22 73	7.28	1.87
				23 65	4.54	1.65
			ORANGESPOTTED SUNFISH			
			BLUEGILL			
			LONGEAR SUNFISH			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 86	LONGEAR SUNFISH	24	58	3.44	1.76
				25	57	3.14	1.70
				26	57	3.16	1.71
				27	56	2.96	1.69
				28	65	4.49	1.63
				29	51	2.05	1.55
				30	52	2.29	1.63
				31	48	1.79	1.62
				1	137	27.00	1.05
				2	175	62.00	1.16
				3	119	20.00	1.19
				4	110	17.00	1.28
				5	124	23.00	1.21
				6	110	18.00	1.35
				7	125	22.00	1.13
				1	289	275.00	1.14
				2	219	140.00	1.33
				3	224	138.00	1.23
				4	215	79.00	0.79
				5	96	8.81	1.00
				1	276	160.00	0.76
				1	603	3039.00	1.39
				2	411	895.00	1.29
				3	608	3538.00	1.57
				1	47	0.95	0.92
				1	46	0.80	0.82
				2	50	1.02	0.82
				3	53	1.28	0.86
				4	64	2.36	0.90
				5	53	1.28	0.86
				6	47	0.92	0.89
				7	47	0.87	0.84
				8	46	0.77	0.79
				9	48	0.85	0.77
				10	47	0.61	0.59
				1	50	0.91	0.73
B	08 08 86		GIZZARD SHAD				
			NORTHERN PIKE CARP				
			SPOTFIN SHINER SAND SHINER				
			REDFIN SHINER				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	B	08 08 86	BLUNTNOSE MINNOW	1	86	6.64	1.04
				2	82	5.62	1.02
				3	65	2.57	0.94
				4	62	1.89	0.79
				5	66	2.50	0.87
				6	51	1.11	0.84
				7	55	1.58	0.95
				8	48	0.85	0.77
				9	66	2.20	0.77
				10	58	1.75	0.90
				11	64	2.39	0.91
				12	48	0.87	0.79
				13	49	0.94	0.80
				14	47	0.93	0.90
				15	59	1.75	0.85
				16	47	0.80	0.77
				17	56	1.60	0.91
				18	57	1.77	0.96
				19	46	0.74	0.76
				20	55	1.61	0.97
				21	52	0.93	0.66
				22	56	1.49	0.85
				23	46	0.89	0.91
				24	41	0.59	0.86
				25	48	0.92	0.83
				26	47	0.82	0.79
			QUILLBACK	1	415	945.00	1.32
				2	387	835.00	1.44
				3	420	880.00	1.19
				4	348	414.00	0.98
			GOLDEN REDHORSE	1	428	820.00	1.05
				2	267	230.00	1.21
				3	310	362.00	1.22
				4	303	318.00	1.14
				5	132	19.00	0.83
				6	146	24.00	0.77

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	B	08 08 86	SHORTHEAD REDHORSE ROCK BASS	1 397 1 206 2 127 3 215 4 140 5 118 6 116 7 109 8 77 9 76 10 64 1 92 2 116 3 170 4 151 5 157 6 114 7 132 8 148 9 100 10 90 12 83 13 67 14 68 15 67 16 53 1 102 2 98 3 87 4 65 1 166 2 148 3 62 1 105 2 119 3 114	635.00 143.00 33.00 220.00 45.00 32.00 28.00 18.00 8.19 7.92 4.55 13.00 22.00 91.00 63.00 52.00 26.00 38.00 57.00 18.00 14.00 9.92 4.95 5.66 5.18 2.66 19.00 17.00 10.81 4.02 77.00 62.00 3.71 20.00 34.00 33.00	1.01 1.64 1.61 2.21 1.64 1.95 1.79 1.39 1.79 1.80 1.74 1.67 1.41 1.85 1.83 1.34 1.75 1.65 1.76 1.80 1.92 1.73 1.65 1.80 1.72 1.79 1.79 1.81 1.64 1.46 1.68 1.91 1.56 1.73 2.02 2.23
			GREEN SUNFISH			
			ORANGESPOTTED SUNFISH			
			BLUEGILL			
			LONGEAR SUNFISH			



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	B	08 08 86	LONGEAR SUNFISH	4	95	20.00	2.33
				5	95	18.00	2.10
				6	92	15.00	1.93
				7	98	17.00	1.81
				8	99	19.00	1.96
				9	102	18.00	1.70
				10	90	14.00	1.92
				11	90	12.22	1.68
				12	78	9.35	1.97
				13	72	6.05	1.62
				14	69	5.06	1.54
				15	72	6.56	1.76
				16	60	3.96	1.83
				17	53	2.34	1.57
				18	58	3.45	1.77
				19	58	3.31	1.70
				20	50	2.31	1.85
				21	57	3.27	1.77
				22	51	2.31	1.74
				23	53	2.67	1.79
				24	47	1.71	1.65
				1	68	5.21	1.66
				1	122	21.00	1.16
				2	249	184.00	1.19
				3	131	25.00	1.11
				4	156	38.00	1.00
C	08 11 86		GREEN SUNFISH X BLUEGILL SMALLMOUTH BASS	6	134	27.00	1.12
				7	137	29.00	1.13
				8	121	23.00	1.30
				9	138	29.00	1.10
				10	153	41.00	1.14
				11	112	16.00	1.14
				12	101	10.50	1.02
				1	223	148.00	1.33
				1	278	115.00	0.54
				1	53	1.16	0.78
			LARGEMOUTH BASS NORTHERN PIKE SAND SHINER				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	C	08 11 86	SAND SHINER	2	53	1.35	0.91
				3	61	1.62	0.71
				4	61	1.54	0.68
				5	49	0.87	0.74
				6	49	0.87	0.74
				7	50	0.83	0.66
				8	49	0.83	0.71
				9	50	0.96	0.77
				10	48	0.77	0.70
				11	42	0.53	0.72
				1	47	0.85	0.82
			REDFIN SHINER	1	48	0.76	0.69
			MIMIC SHINER	1	42	0.59	0.80
			SUCKERMOUTH MINNOW	2	46	0.88	0.90
				3	43	0.67	0.84
				1	63	2.27	0.91
			BLUNTNOSSE MINNOW	2	55	1.40	0.84
				3	54	1.27	0.81
				4	51	1.11	0.84
				5	52	0.97	0.69
				6	56	1.40	0.80
				7	55	1.31	0.79
				8	52	1.12	0.80
				9	44	0.59	0.69
				10	76	4.82	1.10
				11	60	1.81	0.84
				12	64	2.28	0.87
				13	62	2.04	0.86
				14	67	2.53	0.84
				15	60	1.70	0.79
				16	51	1.38	1.04
				17	60	1.59	0.74
				18	58	1.61	0.83
				19	63	2.22	0.89
				20	55	1.51	0.91
				21	53	1.40	0.94

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	C	08 11 86	BLUNTNOSE MINNOW	22 58	1.60	0.82
				23 61	1.87	0.82
				24 48	1.00	0.90
				25 55	1.41	0.85
				26 53	1.04	0.70
				27 48	1.00	0.90
				28 53	1.15	0.77
				29 47	0.58	0.56
				30 43	0.58	0.73
			QUILLBACK	1 375	635.00	1.20
				2 305	325.00	1.15
				3 192	78.00	1.10
				4 390	535.00	0.90
			NORTHERN HOGSUCKER	1 336	425.00	1.12
			GOLDEN REDHORSE	1 422	770.00	1.02
				2 184	44.00	0.71
				3 49	1.09	0.93
			ROCK BASS	1 140	45.00	1.64
				2 117	30.00	1.87
				3 86	9.00	1.41
				4 100	15.00	1.50
				5 74	7.09	1.75
				6 69	5.25	1.60
			GREEN SUNFISH	1 96	13.00	1.47
				2 107	19.00	1.55
				3 101	13.00	1.26
				4 195	12.00	0.16
				5 89	10.00	1.42
				6 92	15.00	1.93
				7 90	9.00	1.23
				8 69	5.95	1.81
			BLUEGILL	9 29	0.35	1.44
				1 67	4.34	1.44
				2 59	3.19	1.55
			LONGEAR SUNFISH	1 118	35.00	2.13
				2 121	36.00	2.03

C-22

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	C	08 11 86	LONGEAR SUNFISH	3	31.00	2.15
				4	26.00	1.95
				5	21.00	1.87
				6	29.00	1.81
				7	12.00	1.82
				8	16.00	1.99
				9	17.00	1.60
				10	13.00	1.91
				11	9.00	1.57
				12	5.92	1.88
				13	8.04	1.91
				14	4.53	1.65
				15	3.80	1.59
				16	2.72	1.55
			SMALLMOUTH BASS	1	105.00	1.12
				2	136.00	1.28
				3	133.00	1.23
				4	32.00	1.30
				5	17.00	1.12
			LARGEMOUTH BASS	1	147.00	1.34
				2	72.00	1.16
				1	100.00	0.48
			NORTHERN PIKE	1	2200.00	1.48
			CARP	1	5.40	0.94
			STRIPED SHINER	1	0.56	0.70
			ROSYFACE SHINER	1	1.13	0.76
			SPOTFIN SHINER	1	0.80	0.72
				2	1.08	0.77
				3	1.52	0.67
			SAND SHINER	1	1.35	0.81
				2	0.98	0.89
				3	0.96	0.72
				4	1.59	0.70
				5	1.51	0.74
				6	1.01	0.72
				7	0.94	0.75
				8		

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 14 86	SAND SHINER	9	48	0.95	0.86
				10	48	0.97	0.88
				11	50	0.93	0.74
				12	48	0.92	0.83
				13	54	1.24	0.79
				14	51	1.12	0.84
				15	48	0.89	0.80
				16	46	0.81	0.83
				17	42	0.67	0.90
				18	46	0.77	0.79
				19	46	0.67	0.69
				20	46	0.74	0.76
				21	45	0.75	0.82
			REDFIN SHINER	1	52	1.07	0.76
				2	48	0.86	0.78
				3	50	0.93	0.74
			MIMIC SHINER	1	65	1.94	0.71
				2	51	1.10	0.83
				3	48	0.93	0.84
			BLUNTNOSE MINNOW	1	62	2.54	1.07
				2	66	2.89	1.01
				3	63	2.34	0.94
				4	59	1.95	0.95
				5	62	2.47	1.04
				6	63	2.17	0.87
				7	53	1.30	0.87
				8	61	2.02	0.89
				9	54	1.64	1.04
				10	58	1.66	0.85
				11	53	1.26	0.85
				12	63	2.37	0.95
				13	57	1.69	0.91
				14	57	1.44	0.78
				15	53	1.32	0.89
				16	55	1.46	0.88
				17	53	1.31	0.88

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	D	08 14 86	BLUNTNOSE MINNOW			
				18	53	1.26
				19	59	1.77
				20	50	0.85
				21	53	1.16
				22	49	0.92
				23	45	0.76
				24	49	1.03
				25	43	0.84
				26	49	1.00
				27	52	1.21
				28	49	1.04
				29	49	1.09
				30	47	0.78
				31	46	0.70
				32	46	0.79
				33	45	0.70
				34	32	0.24
				35	66	2.05
				36	51	1.06
				37	66	2.03
				38	77	4.71
				39	67	2.42
				40	63	1.93
				41	67	2.75
				42	57	1.45
				43	66	2.36
				44	57	1.54
				45	71	2.79
				46	53	1.40
				47	66	2.60
				48	67	3.00
				49	48	0.94
				50	65	2.20
				51	65	2.49
				52	51	1.75
				53	48	0.95
						0.85
						0.86
						0.68
						0.78
						0.83
						0.88
						1.06
						0.85
						0.86
						0.88
						0.93
						0.75
						0.72
						0.81
						0.77
						0.73
						0.71
						0.80
						0.71
						1.03
						0.80
						0.77
						0.91
						0.78
						0.82
						0.83
						0.78
						0.94
						0.90
						1.00
						0.85
						0.80
						0.91
						1.32
						0.86

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 14 86	BLUNTNOST MINNOW	54	57	1.50	0.81
				55	60	1.71	0.79
				56	61	2.29	1.01
				57	51	1.16	0.87
				58	60	2.09	0.97
				59	60	2.08	0.96
				60	67	2.68	0.89
				61	63	2.35	0.94
				62	61	2.10	0.93
				63	52	1.19	0.85
				64	59	1.94	0.94
				65	47	0.94	0.91
				66	66	2.67	0.93
				67	47	0.88	0.85
				68	53	1.23	0.83
				69	62	2.20	0.92
				70	64	2.09	0.80
				71	70	2.92	0.85
				72	61	1.87	0.82
				73	52	1.19	0.85
				74	57	1.67	0.90
				75	55	1.66	1.00
				76	60	1.86	0.86
				77	62	2.36	0.99
				78	56	1.44	0.82
				79	50	1.09	0.87
				80	53	1.13	0.76
				81	53	1.22	0.82
				82	51	1.10	0.83
				83	50	1.02	0.82
				84	51	1.12	0.84
				85	47	0.69	0.66
				86	51	1.15	0.87
				87	47	0.88	0.85
				88	50	1.00	0.80
				89	44	0.71	0.83

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 14 86	BLUNTNOSE MINNOW	90	46	0.67	0.69
				91	46	0.82	0.84
				92	44	0.76	0.89
				93	46	0.69	0.71
				94	46	0.78	0.80
			QUILLBACK	1	390	780.00	1.31
				2	410	800.00	1.16
				3	405	880.00	1.32
			NORTHERN HOGSUCKER	1	320	380.00	1.16
			GOLDEN REDHORSE	1	325	580.00	1.69
				2	255	195.00	1.18
				3	255	190.00	1.15
			ROCK BASS	1	140	40.00	1.46
				2	100	15.00	1.50
				3	157	62.00	1.60
				4	117	24.00	1.50
				5	86	12.00	1.89
				6	77	8.86	1.94
			GREEN SUNFISH	1	165	174.00	3.87
				2	100	20.00	2.00
				3	105	23.00	1.99
				4	110	27.00	2.03
				5	100	24.00	2.40
				6	90	15.00	2.06
				7	95	12.00	1.40
				8	110	20.00	1.50
				9	160	50.00	1.22
				10	148	60.00	1.85
				11	148	50.00	1.54
				12	112	20.00	1.42
				13	115	26.00	1.71
				14	92	14.00	1.80
				15	80	10.00	1.95
				16	72	6.08	1.63
				17	63	3.86	1.54
				18	63	4.69	1.88



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 14 86	GREEN SUNFISH	19	62	4.51	1.89
				20	73	8.78	2.26
				21	72	6.60	1.77
				22	55	2.80	1.68
				23	56	3.12	1.78
				24	51	2.09	1.58
				1	82	12.00	2.18
				1	112	20.00	1.42
				2	100	14.00	1.40
				3	82	11.00	2.00
				4	90	14.00	1.92
				1	115	32.00	2.10
				2	115	30.00	1.97
				3	120	32.00	1.85
				4	110	25.00	1.88
				5	97	14.00	1.53
				6	100	22.00	2.20
				7	110	28.00	2.10
				8	90	18.00	2.47
				9	85	18.00	2.93
				10	110	32.00	2.40
				11	110	25.00	1.88
				12	120	32.00	1.85
				13	94	18.00	2.17
				14	115	24.00	1.58
				15	95	16.00	1.87
				16	90	14.00	1.92
				17	95	22.00	2.57
				18	99	20.00	2.06
				19	85	15.00	2.44
				20	75	10.00	2.37
				21	84	10.94	1.85
				22	81	9.35	1.76
				23	68	6.02	1.91
				24	70	6.60	1.92
				25	68	5.64	1.79
			ORANGESPOTTED SUNFISH				
			BLUEGILL				
			LONGEAR SUNFISH				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
2	D	08 14 86	LONGEAR SUNFISH	26 64	5.18	1.98
				27 61	4.02	1.77
				28 51	2.49	1.88
				29 53	2.44	1.64
			SMALLMOUTH BASS	1 220	115.00	1.08
				2 129	28.00	1.30
				3 135	30.00	1.22
				1 80	12.00	2.34
				1 76	4.44	1.01
				2 62	1.98	0.83
				1 296	200.00	0.77
				1 337	390.00	1.02
				2 272	190.00	0.94
				3 128	19.00	0.91
				4 122	17.00	0.94
				5 130	24.00	1.09
				6 117	14.55	0.91
				7 113	14.39	1.00
				1 125	19.02	0.97
				1 67	1.30	0.43
				1 200	153.00	1.91
				2 210	180.00	1.94
				3 195	134.00	1.81
				4 215	220.00	2.21
				5 200	130.00	1.63
				6 175	100.00	1.87
				7 111	30.00	2.19
				8 142	59.00	2.06
				9 117	36.00	2.25
				10 133	42.00	1.79
				11 117	27.00	1.69
				12 82	10.17	1.84
				13 60	3.88	1.80
				1 142	48.00	1.68
				1 99	15.00	1.55
				1 83	8.67	1.52
			GREEN SUNFISH			
			ORANGESPOTTED SUNFISH			

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	A	08 05 86	ORANGESPOTTED SUNFISH	2	96	15.00	1.70
				2	81	8.74	1.64
				3	79	9.25	1.88
				4	61	3.28	1.45
			LONGEAR SUNFISH	1	109	26.00	2.01
				2	106	26.00	2.18
				3	121	37.00	2.09
				4	115	32.00	2.10
				5	118	41.00	2.50
				6	124	42.00	2.20
				7	97	21.00	2.30
				8	92	16.00	2.05
				9	107	18.00	1.47
				10	102	18.00	1.70
				11	92	14.00	1.80
				12	89	9.00	1.28
				13	105	25.00	2.16
				14	86	14.00	2.20
				15	86	11.00	1.73
				16	87	13.46	2.04
				17	83	10.92	1.91
				18	85	11.46	1.87
				19	60	3.77	1.75
				20	52	2.22	1.58
			SMALLMOUTH BASS	1	266	200.00	1.06
				2	299	350.00	1.31
				3	263	200.00	1.10
				4	278	260.00	1.21
				5	266	210.00	1.12
				6	149	33.00	1.00
				7	98	10.02	1.06
				8	87	7.02	1.07
				9	98	8.60	0.91
B	08 08 86		GRASS PICKEREL	1	108	8.00	0.64
			STRIPED SHINER	1	103	12.00	1.10
			SPOTFIN SHINER	1	56	1.47	0.84

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	B	08 08 86	BLUNTHOSE MINNOW QUILLBACK	1	63	1.84	0.74
				1	358	625.00	1.36
				2	363	630.00	1.32
				3	384	635.00	1.12
			NORTHERN HOGSUCKER	1	391	725.00	1.21
			RIVER REDHORSE	1	127	23.00	1.12
				2	120	18.00	1.04
			GOLDEN REDHORSE	1	310	295.00	0.99
				2	120	18.00	1.04
				3	124	21.00	1.10
				4	132	22.00	0.96
				5	107	13.00	1.06
			ROCK BASS	1	205	181.00	2.10
				2	195	157.00	2.12
				3	116	29.00	1.86
				4	137	43.00	1.67
				5	120	36.00	2.08
				6	105	22.00	1.90
				7	118	31.00	1.89
				8	111	25.00	1.83
				9	127	37.00	1.81
			GREEN SUNFISH	1	105	16.00	1.38
			ORANGESPOTTED SUNFISH	1	114	23.00	1.55
				2	95	19.00	2.22
				3	100	22.00	2.20
				4	99	13.00	1.34
				5	94	16.00	1.93
				6	104	21.00	1.87
				7	89	14.00	1.99
				8	86	11.00	1.73
				9	83	10.00	1.75
				10	82	8.00	1.45
				11	82	8.00	1.45
				12	73	6.73	1.73
				13	80	8.64	1.69
				14	57	2.83	1.53

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	B	08 08 86	ORANGESPOTTED SUNFISH	15	63	3.21	1.28
				16	52	1.76	1.25
				17	82	9.33	1.69
			BLUEGILL	1	74	5.95	1.47
			LONGEAR SUNFISH	1	118	33.00	2.01
				2	95	20.00	2.33
				3	97	17.00	1.86
				4	111	26.00	1.90
				5	93	15.00	1.86
				6	97	18.00	1.97
				7	96	17.00	1.92
				8	84	10.57	1.78
				9	61	3.89	1.71
				10	64	4.71	1.80
				11	66	4.92	1.71
				12	71	6.37	1.78
				13	61	4.08	1.80
				14	58	3.32	1.70
				15	66	4.86	1.69
				16	63	4.30	1.72
				17	44	1.50	1.76
				18	63	4.75	1.90
				19	60	3.73	1.73
				20	58	3.32	1.70
				21	53	2.39	1.61
				22	51	2.13	1.61
				23	52	2.27	1.61
				24	53	2.23	1.50
				25	44	1.97	2.31
			SMALLMOUTH BASS	1	105	13.00	1.12
				2	95	11.00	1.28
				1	138	14.00	0.53
			GRASS PICKEREL	1	59	1.77	0.86
			SPOTFIN SHINER	1	68	2.61	0.83
			BLUNTNOSE MINNOW	2	55	1.54	0.93
				3	49	0.86	0.73
	C	08 11 86					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	C	08 11 86	QUILLBACK RIVER REDHORSE GOLDEN REDHORSE	1	385	710.00	1.24
				1	130	24.00	1.09
				1	407	725.00	1.08
				2	151	36.00	1.05
				3	142	34.00	1.19
				4	128	18.00	0.86
			SHORTHEAD REDHORSE	1	406	612.00	0.91
				2	140	25.00	0.91
				3	136	26.00	1.03
				1	78	1.80	0.38
			BROOK SILVERSIDE	1	193	162.00	2.25
			ROCK BASS	2	203	185.00	2.21
				3	104	20.00	1.78
				4	127	34.00	1.66
				5	120	32.00	1.85
				5	65	4.54	1.65
			GREEN SUNFISH	1	162	82.00	1.93
				2	143	50.00	1.71
				3	127	30.00	1.46
				4	120	36.00	2.08
				5	96	12.00	1.36
			ORANGESPOTTED SUNFISH	1	93	16.00	1.99
				2	96	15.00	1.70
			BLUEGILL	1	97	16.00	1.75
				2	72	6.41	1.72
			LONGEAR SUNFISH	1	116	32.00	2.05
				2	125	41.00	2.10
				3	104	32.00	2.84
				4	111	30.00	2.19
				5	120	34.00	1.97
				6	102	21.00	1.98
				7	94	16.00	1.93
				8	122	38.00	2.09
				9	104	22.00	1.96
				10	86	12.00	1.89
				11	70	6.29	1.83

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
3L	C	08 11 86	LONGEAR SUNFISH	12	66	5.11
				13	63	3.92
				14	63	4.42
				15	66	5.23
				16	72	6.55
				17	56	3.01
				18	66	4.90
				19	59	3.18
				20	58	3.00
				21	62	3.48
				22	50	2.00
				1	204	104.00
				2	109	12.00
				3	182	66.00
				1	63	2.52
				2	53	1.22
				3	48	0.93
				4	44	0.59
				1	169	50.00
				2	160	43.00
				1	379	585.00
				2	369	525.00
D	08 14 86		BLUNTNORSE MINNOW	3	335	425.00
				4	275	224.00
				5	132	24.00
				6	138	24.00
				7	121	18.00
				8	98	9.76
				1	181	52.00
				2	143	26.00
				1	128	41.00
				2	114	24.00
				3	116	31.00
				4	133	44.00
				5	118	23.00
				6	116	28.00
			SMALLMOUTH BASS			1.78
						1.57
						1.77
						1.82
						1.75
						1.71
						1.70
						1.55
						1.54
						1.46
			RIVER REDHORSE			1.60
						1.23
						0.93
						1.09
						1.01
						0.82
						0.84
						0.69
						1.04
						1.05
			GOLDEN REDHORSE			1.07
						1.04
						1.13
						1.08
						1.04
						0.91
						1.02
						1.04
						0.88
						0.89
			SHORTHEAD REDHORSE			1.96
						1.62
						1.99
						1.87
						1.40
						1.79
			ROCK BASS			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	D	08 14 86	GREEN SUNFISH ORANGESPOTTED SUNFISH	1	97	17.00	1.86
				1	96	15.00	1.70
			BLUEGILL	2	100	17.00	1.70
				1	68	4.71	1.50
			LONGEAR SUNFISH	1	114	31.00	2.09
				2	98	20.00	2.12
				3	94	15.00	1.81
				4	120	36.00	2.08
				5	81	11.00	2.07
				6	73	7.02	1.80
				7	69	5.47	1.67
				8	66	4.70	1.63
				9	60	3.79	1.75
				10	63	4.00	1.60
				11	60	3.72	1.72
				12	62	4.05	1.70
			SMALLMOUTH BASS	13	46	1.61	1.65
				1	217	110.00	1.08
				2	222	118.00	1.08
				3	144	34.00	1.14
				4	98	9.00	0.96
				1	264	258.00	1.40
				2	222	144.00	1.32
				1	68	2.48	0.79
				2	68	2.11	0.67
				1	39	0.46	0.78
				2	44	0.59	0.69
				3	42	0.53	0.72
				1	56	1.63	0.93
3R	A	08 05 86	LARGEMOUTH BASS	2	54	1.39	0.88
				3	48	1.15	1.04
			GIZZARD SHAD	4	42	0.58	0.78
				5	44	0.74	0.87
			SPOTFIN SHINER	6	50	1.18	0.94
				7	41	0.85	1.23
				8	48	0.92	0.83
			BLUNTNOSE MINNOW				



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
3R	A	08 05 86	BLUNTNOSE MINNOW	9 42	0.82	1.11
				10 46	0.87	0.89
				11 47	0.85	0.82
				12 51	1.25	0.94
				13 49	1.04	0.88
			NORTHERN HOGSUCKER	1 405	670.00	1.01
			GOLDEN REDHORSE	1 402	660.00	1.02
				2 330	405.00	1.13
				3 369	505.00	1.01
				4 253	185.00	1.14
				5 326	410.00	1.18
				6 304	300.00	1.07
				7 119	17.03	1.01
			SHORTHEAD REDHORSE	1 132	22.93	1.00
				2 117	17.49	1.09
			BROOK SILVERSIDE	1 81	1.96	0.37
			ROCK BASS	1 81	7.00	1.32
			GREEN SUNFISH	1 75	9.00	2.13
				2 81	10.00	1.88
				3 145	58.00	1.90
				4 92	12.00	1.54
				5 133	34.00	1.45
				6 72	5.00	1.34
				7 77	6.00	1.31
			BLUEGILL	1 54	2.00	1.27
			LONGEAR SUNFISH	1 100	20.00	2.00
			SMALLMOUTH BASS	1 261	250.00	1.41
				2 289	340.00	1.41
				3 191	72.00	1.03
				4 298	340.00	1.28
				5 372	640.00	1.24
				6 140	28.00	1.02
			LARGEMOUTH BASS	1 60	1.00	0.46
			GIZZARD SHAD	1 261	225.00	1.27
			GRASS PICKEREL	1 130	12.00	0.55
			MIMIC SHINER	1 39	0.42	0.71
	B	08 08 86				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	B	08 08 86	BLUNTNOSE MINNOW	1	84	6.38	1.08
			RIVER REDHORSE	1	124	19.00	1.00
				2	123	24.00	1.29
			GOLDEN REDHORSE	1	123	18.00	0.97
				2	293	290.00	1.15
				3	280	260.00	1.18
				4	222	122.00	1.12
				5	121	18.00	1.02
				1	715	4082.00	1.12
			CHANNEL CATFISH	1	84	2.26	0.38
			BROOK SILVERSIDE	1	120	33.00	1.91
			ROCK BASS	2	116	25.00	1.60
				3	118	33.00	2.01
			GREEN SUNFISH	1	101	21.00	2.04
				2	111	22.00	1.61
				3	113	24.00	1.66
				4	94	14.00	1.69
				5	93	14.46	1.80
				6	76	7.78	1.77
				7	41	1.21	1.76
			BLUEGILL	1	132	43.00	1.87
				2	132	46.00	2.00
			LONGEAR SUNFISH	1	83	10.46	1.83
				2	83	10.92	1.91
				3	53	2.35	1.58
			SMALLMOUTH BASS	1	150	40.00	1.19
			LARGEMOUTH BASS	1	385	765.00	1.34
				2	261	243.00	1.37
				3	156	44.00	1.16
				4	68	3.62	1.15
			ROSYFACE SHINER	1	48	0.52	0.47
			SPOTFIN SHINER	1	62	2.22	0.93
				2	62	1.97	0.83
				3	51	0.88	0.66
			BLUNTNOSE MINNOW	1	73	2.94	0.76
				2	54	1.17	0.74
	C	08 11 86					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
3R	C	08 11 86	BLUNTNOSE MINNOW	3	51	0.96
				4	57	1.37
				5	53	0.97
				6	51	0.85
				7	41	0.32
			QUILLBACK	1	380	700.00
			RIVER REDHORSE	1	140	24.00
				2	125	21.00
			BROOK SILVERSIDE	1	80	1.65
			ROCK BASS	1	234	280.00
				2	221	251.00
			GREEN SUNFISH	3	122	32.00
				1	175	93.00
				2	165	86.00
				3	156	71.00
				4	126	32.00
				5	95	15.00
				6	73	6.17
			BLUEGILL	1	95	12.00
			LONGEAR SUNFISH	1	94	14.00
				2	55	2.32
			SMALLMOUTH BASS	1	113	13.00
				2	133	20.00
			LARGEMOUTH BASS	1	156	39.00
			NORTHERN PIKE	1	490	560.00
			ROSYFACE SHINER	1	64	1.78
			SPOTFIN SHINER	1	48	0.78
				2	60	1.88
				3	48	0.87
				4	49	1.06
				5	46	0.70
				6	49	0.95
				1	75	4.55
				2	72	4.00
				3	64	2.45
				4	51	1.09
			BLUNTNOSE MINNOW			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	D	08 14 86	BLUNTNOWSE MINNOW	5	50	1.01	0.81
				6	46	0.79	0.81
			SILVER REDHORSE	1	394	695.00	1.14
			GOLDEN REDHORSE	1	130	21.00	0.96
			GREEN SUNFISH	1	106	17.00	1.43
				2	107	21.00	1.71
				3	78	8.04	1.69
				4	69	5.30	1.61
				5	66	5.48	1.91
				6	52	2.70	1.92
				7	48	2.06	1.86
			BLUEGILL	1	134	43.00	1.79
			LONGEAR SUNFISH	2	146	53.00	1.70
				1	62	4.05	1.70
4L	A	08 05 86	SMALLMOUTH BASS	2	59	3.67	1.79
				1	267	246.00	1.29
				2	121	19.00	1.07
			SPOTFIN SHINER	3	94	11.00	1.32
				1	77	3.93	0.86
				2	69	2.83	0.86
				3	63	1.98	0.79
				4	59	1.63	0.79
				5	51	1.47	1.11
			REDFIN SHINER	1	51	1.00	0.75
			BLUNTNOWSE MINNOW	1	58	1.43	0.73
			NORTHERN HOGSUCKER	1	358	490.00	1.07
			GOLDEN REDHORSE	1	298	285.00	1.08
				2	217	108.00	1.06
				3	327	360.00	1.03
				4	283	285.00	1.26
				5	398	650.00	1.03
				6	382	610.00	1.09
			SHORTHEAD REDHORSE	7	320	390.00	1.19
				1	132	26.00	1.13
			ROCK BASS	2	174	48.00	0.91
				1	227	247.00	2.11

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID	LENGTH NO. (MM)	WEIGHT (G)	KTL
4L	A	08 05 86	ROCK BASS	2	217	225.00	2.20
				3	196	168.00	2.23
				4	212	208.00	2.18
				5	125	33.00	1.69
				6	114	26.00	1.75
				7	113	29.00	2.01
				8	115	30.00	1.97
			GREEN SUNFISH	1	148	55.00	1.70
				2	127	38.00	1.86
			ORANGESPOTTED SUNFISH	1	95	18.00	2.10
				2	95	15.00	1.75
				3	92	14.00	1.80
				4	92	18.00	2.31
				5	80	11.00	2.15
				6	85	12.00	1.95
			BLUEGILL	1	190	130.00	1.90
				2	142	62.00	2.17
			LONGEAR SUNFISH	1	115	29.00	1.91
				2	90	12.00	1.65
				3	110	26.00	1.95
				4	111	31.00	2.27
				5	107	30.00	2.45
				6	84	14.00	2.36
				7	102	22.00	2.07
				8	109	25.00	1.93
				9	109	27.00	2.08
			SMALLMOUTH BASS	1	245	190.00	1.29
				2	197	95.00	1.24
				3	180	66.00	1.13
				4	142	28.00	0.98
			LARGEMOUTH BASS	1	215	128.00	1.29
			SLENDERHEAD DARTER	1	65	2.01	0.73
			GRASS PICKEREL	1	195	42.00	0.57
			BLUNTNOSE MINNOW	1	50	0.94	0.75
			QUILLBACK	1	330	462.00	1.29
			RIVER REDHORSE	1	124	22.00	1.15

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	B	08 08 86	RIVER REDHORSE	2	108	15.00	1.19
			GOLDEN REDHORSE	1	363	640.00	1.34
				2	336	428.00	1.13
				3	355	640.00	1.43
				4	318	345.00	1.07
				5	117	14.46	0.90
			SHORTHEAD REDHORSE	1	132	28.00	1.22
			BROOK SILVERSIDE	1	73	1.44	0.37
			ROCK BASS	1	110	25.00	1.88
				2	203	183.00	2.19
				3	200	165.00	2.06
				4	125	31.00	1.59
				5	122	32.00	1.76
				6	120	29.00	1.68
				7	114	29.00	1.96
				8	95	15.00	1.75
				9	90	13.00	1.78
				10	115	18.00	1.18
			GREEN SUNFISH	11	108	20.00	1.59
				1	162	71.00	1.67
				2	76	7.98	1.82
			ORANGESPOTTED SUNFISH	1	98	22.00	2.34
				2	85	12.00	1.95
				3	90	13.00	1.78
				4	85	11.00	1.79
				5	100	16.00	1.60
				6	99	10.00	1.03
				7	92	16.00	2.05
				8	98	20.00	2.12
				9	80	8.23	1.61
				10	63	3.27	1.31
			LONGEAR SUNFISH	1	108	28.00	2.22
				2	113	32.00	2.22
				3	105	26.00	2.25
				4	104	22.00	1.96
				5	118	36.00	2.19

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	B	08 08 86	LONGEAR SUNFISH	6	95	18.00	2.10
				7	109	26.00	2.01
				8	110	22.00	1.65
				9	97	14.00	1.53
				10	88	11.00	1.61
				11	63	3.78	1.51
				12	53	2.66	1.79
				13	48	1.71	1.55
				14	63	3.74	1.50
				15	67	4.90	1.63
				1	276	285.00	1.36
			SMALLMOUTH BASS	2	200	86.00	1.07
				3	123	16.00	0.86
				1	78	3.84	0.81
			SPOTFIN SHINER	1	74	4.03	0.99
			BLUNTNOSE MINNOW	2	59	1.59	0.77
				3	50	0.99	0.79
				4	49	1.05	0.89
				1	345	515.00	1.25
			QUILLBACK	2	402	780.00	1.20
				1	126	20.00	1.00
			RIVER REDHORSE	1	406	725.00	1.08
			GOLDEN REDHORSE	2	380	615.00	1.12
				3	237	134.00	1.01
				4	324	370.00	1.09
				5	332	435.00	1.19
				6	278	310.00	1.44
				7	153	34.00	0.95
			ROCK BASS	1	205	192.00	2.23
				2	125	37.00	1.89
				3	120	33.00	1.91
				4	122	32.00	1.76
				5	122	35.00	1.93
				6	114	24.00	1.62
				7	116	29.00	1.86
				8	90	13.00	1.78

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	C	08 11 86	ROCK BASS	9	115	29.00	1.91
				10	96	16.00	1.81
			GREEN SUNFISH	1	154	69.00	1.89
				2	102	22.00	2.07
			ORANGESPOTTED SUNFISH	1	86	14.00	2.20
				2	96	20.00	2.26
				3	99	23.00	2.37
				4	97	18.00	1.97
				5	90	14.00	1.92
				6	95	16.00	1.87
				7	84	9.23	1.56
			BLUEGILL	1	70	5.49	1.60
				2	74	5.78	1.43
			LONGEAR SUNFISH	1	108	28.00	2.22
				2	107	28.00	2.29
				3	103	26.00	2.38
				4	108	26.00	2.06
				5	99	24.00	2.47
				6	117	38.00	2.37
				7	107	28.00	2.29
				8	100	24.00	2.40
				9	113	32.00	2.22
				10	108	31.00	2.46
				11	100	27.00	2.70
				11	84	10.44	1.76
				12	107	27.00	2.20
				12	86	10.60	1.67
				13	93	17.00	2.11
				13	85	11.16	1.82
				14	70	5.86	1.71
				15	72	6.08	1.63
				16	71	6.32	1.77
				17	63	3.82	1.53
				18	60	3.36	1.56
				19	51	1.89	1.42
			SMALLMOUTH BASS	1	292	301.00	1.21



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	C	08 11 86	SMALLMOUTH BASS	2	277	259.00	1.22
				3	246	191.00	1.28
				4	146	38.00	1.22
				5	97	11.00	1.21
			LARGEMOUTH BASS	1	212	132.00	1.39
				2	140	31.00	1.13
				1	78	3.33	0.70
	D	08 14 86	SPOTFIN SHINER	1	348	560.00	1.33
			QUILLBACK	2	420	855.00	1.15
			RIVER REDHORSE	1	120	18.00	1.04
				2	123	20.00	1.07
			GOLDEN REDHORSE	1	330	440.00	1.22
			ROCK BASS	1	172	95.00	1.87
				2	212	192.00	2.02
				3	175	105.00	1.96
				4	115	27.00	1.78
				5	126	40.00	2.00
				6	76	8.00	1.82
			GREEN SUNFISH	1	151	62.00	1.80
			ORANGESPOTTED SUNFISH	1	101	20.00	1.94
				2	94	15.00	1.81
				3	97	18.00	1.97
				4	88	12.00	1.76
				5	87	12.00	1.82
			LONGEAR SUNFISH	1	110	25.00	1.88
				2	80	11.00	2.15
				3	102	22.00	2.07
				4	68	5.25	1.67
				5	53	2.54	1.71
				1	115	19.00	1.25
			SMALLMOUTH BASS	1	220	130.00	1.22
			LARGEMOUTH BASS	1	445	975.00	1.11
			QUILLBACK	2	365	560.00	1.15
				1	320	380.00	1.16
			GOLDEN REDHORSE	2	354	475.00	1.07
				3	352	485.00	1.11
4R	A	08 05 86					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	A	08 05 86	GOLDEN REDHORSE	4	377	670.00	1.25
				5	300	325.00	1.20
				6	231	135.00	1.10
				7	120	21.00	1.22
				8	110	13.00	0.98
			SHORthead REDHORSE	1	372	450.00	0.87
				2	128	25.00	1.19
			GREEN SUNFISH	1	92	12.00	1.54
				2	110	23.00	1.73
			ORANGESPOTTED SUNFISH	1	100	14.00	1.40
			SMALLMOUTH BASS	1	355	625.00	1.40
				2	165	45.00	1.00
				3	128	23.00	1.10
				4	100	11.00	1.10
			SPOTFIN SHINER	1	56	1.50	0.85
				2	46	0.71	0.73
				3	43	0.64	0.80
				4	46	0.76	0.78
			NORTHERN HOGSUCKER	1	278	236.00	1.10
			RIVER REDHORSE	1	127	21.00	1.03
			GOLDEN REDHORSE	1	304	302.00	1.07
				2	112	11.00	0.78
				3	127	21.34	1.04
				4	120	16.76	0.97
			GREEN SUNFISH	1	147	60.00	1.89
				2	125	30.00	1.54
				3	164	70.00	1.59
				4	155	58.00	1.56
				5	142	48.00	1.68
				6	105	17.00	1.47
				7	121	24.00	1.35
				8	95	17.00	1.98
				9	90	16.00	2.19
				10	88	12.78	1.88
			PUMPKINSEED	1	122	34.00	1.87
			ORANGESPOTTED SUNFISH	1	79	9.00	1.83

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	B	08 08 86	BLUEGILL	1	83	8.00	1.40
				2	95	11.00	1.28
				3	86	10.00	1.57
				4	84	12.00	2.02
			LONGEAR SUNFISH	1	104	23.00	2.04
				2	106	24.00	2.02
				3	125	31.00	1.59
				4	130	44.00	2.00
				5	125	37.00	1.89
				6	102	17.00	1.60
				7	91	13.66	1.81
			SMALLMOUTH BASS	1	282	278.00	1.24
				2	105	13.00	1.12
			LARGEMOUTH BASS	1	173	62.00	1.20
				2	169	49.00	1.02
				3	166	43.00	0.94
				1	118	18.00	1.10
			GIZZARD SHAD	2	116	16.00	1.03
				1	45	0.56	0.61
			SPOTFIN SHINER	1	54	1.14	0.72
			BLUNTNOST MINNOW	2	59	1.61	0.78
				1	53	1.17	0.79
			BULLHEAD MINNOW	1	114	18.00	1.21
			RIVER REDHORSE	2	110	14.00	1.05
				3	107	14.00	1.14
				4	99	13.00	1.34
			GOLDEN REDHORSE	1	362	680.00	1.43
				2	116	15.00	0.96
				3	110	12.00	0.90
				4	117	20.00	1.25
			SHORTHEAD REDHORSE	1	202	48.00	0.58
			GREEN SUNFISH	1	137	29.00	1.13
				2	122	32.00	1.76
				3	136	48.00	1.91
				4	137	48.00	1.87
				5	103	23.00	2.10

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
4R	C	08 11 86	GREEN SUNFISH	6 106	22.00	1.85
				7 107	20.00	1.63
				8 140	48.00	1.75
				9 101	21.00	2.04
				10 90	14.00	1.92
				11 88	12.00	1.76
				12 66	4.38	1.52
			LONGEAR SUNFISH	1 129	49.00	2.28
				2 97	18.00	1.97
				3 86	15.00	2.36
				4 121	40.00	2.26
				5 124	42.00	2.20
				6 101	24.00	2.33
				7 68	5.02	1.60
			SMALLMOUTH BASS	1 240	156.00	1.13
				2 151	40.00	1.16
				3 130	26.00	1.18
				4 109	12.00	0.93
				5 104	14.00	1.24
				1 99	7.42	0.76
				1 65	2.37	0.86
				2 53	1.70	1.14
				3 51	1.10	0.83
			RIVER REDHORSE	1 132	23.00	1.00
				2 142	32.00	1.12
			GOLDEN REDHORSE	1 315	395.00	1.26
				2 267	212.00	1.11
				3 302	322.00	1.17
				4 267	188.00	0.99
				5 145	31.00	1.02
			BROOK SILVERSIDE	6 158	40.00	1.01
				1 93	3.66	0.46
				2 80	2.30	0.45
				3 79	2.07	0.42
				4 72	1.79	0.48
			ROCK BASS	1 246	328.00	2.20

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	D	08 14 86	ROCK BASS	2	217	228.00	2.23
				3	178	115.00	2.04
				4	128	41.00	1.96
				5	83	12.00	2.10
				1	151	51.00	1.48
				2	142	53.00	1.85
				3	111	24.00	1.75
				4	130	40.00	1.82
				5	122	30.00	1.65
				6	118	26.00	1.58
				7	92	15.00	1.93
			GREEN SUNFISH	8	73	7.20	1.85
				9	75	6.99	1.66
				10	71	6.21	1.74
				11	60	3.41	1.58
				1	125	35.94	1.84
				2	127	31.63	1.54
				1	78	8.00	1.69
				1	97	19.00	2.08
				2	102	19.00	1.79
				3	73	6.38	1.64
				1	134	30.00	1.25
			PUMPKINSEED	2	121	19.00	1.07
				1	184	69.00	1.11
				1	342	410.00	1.02
				2	231	146.00	1.18
				3	245	174.00	1.18
				4	266	245.00	1.30
				5	106	15.00	1.26
				6	101	11.00	1.07
				7	106	13.00	1.09
				1	214	41.00	0.42
				1	114	24.00	1.62
			SMALLMOUTH BASS	1	64	2.18	0.83
				1	54	1.06	0.67
				2	52	1.05	0.75
5L	A	08 05 86	BLUEGILL				
			LONGEAR SUNFISH				
			SMALLMOUTH BASS				
			LARGEMOUTH BASS				
			GIZZARD SHAD				
			NORTHERN PIKE				
			CARP				
			SPOTFIN SHINER				
			BLUNTNOSE MINNOW				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	A	08 05 86	QUILLBACK	1	51	1.32	1.00
			WHITE SUCKER	1	350	430.00	1.00
			SPOTTED SUCKER	1	131	23.00	1.02
			SILVER REDHORSE	1	168	50.00	1.05
			RIVER REDHORSE	1	147	35.00	1.10
				2	125	24.00	1.23
			GOLDEN REDHORSE	1	162	48.00	1.13
				1	126	21.61	1.08
				2	120	19.00	1.10
				3	127	22.00	1.07
				4	134	25.00	1.04
				5	125	17.00	0.87
			ROCK BASS	1	129	34.00	1.58
				2	129	29.00	1.35
				3	212	225.00	2.36
				4	203	174.00	2.08
				5	201	185.00	2.28
				6	196	149.00	1.98
				7	204	187.00	2.20
				8	207	195.00	2.20
				9	113	26.00	1.80
				10	124	32.00	1.68
				11	101	19.00	1.84
				12	221	237.00	2.20
				13	140	50.00	1.82
				14	91	14.00	1.86
				15	96	14.91	1.69
			GREEN SUNFISH	1	177	102.00	1.84
				2	148	64.00	1.97
				3	148	60.00	1.85
				4	159	72.00	1.79
				5	165	84.00	1.87
				6	150	56.00	1.66
				7	121	31.00	1.75
				8	118	31.00	1.89
				9	84	11.00	1.86

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	A	08 05 86	GREEN SUNFISH ORANGESPOTTED SUNFISH	10	73	7.39	1.90
				1	100	16.00	1.60
				2	113	29.00	2.01
				3	80	12.00	2.34
				4	100	17.00	1.70
				5	96	16.00	1.81
				6	98	17.00	1.81
				7	97	18.00	1.97
				8	89	13.00	1.84
				9	105	20.00	1.73
				10	70	8.00	2.33
				11	109	27.00	2.08
				12	95	14.00	1.63
				13	110	23.00	1.73
				14	62	3.00	1.26
				15	82	10.33	1.87
				16	78	7.42	1.56
				17	75	7.02	1.66
				18	84	10.06	1.70
				19	73	5.74	1.48
				20	76	6.27	1.43
				21	63	3.67	1.47
				22	59	2.96	1.44
				23	58	2.82	1.45
			LONGEAR SUNFISH	1	96	19.00	2.15
				2	110	26.00	1.95
				3	105	16.00	1.38
			SMALLMOUTH BASS	1	270	209.00	1.06
				2	129	21.00	0.98
				3	274	307.00	1.49
				4	228	130.00	1.10
				5	146	31.00	1.00
				6	104	14.00	1.24
			LARGEMOUTH BASS WHITE CRAPPIE	7	91	8.00	1.06
				1	218	480.00	4.63
				1	235	150.00	1.16

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5L	B	08 08 86	GIZZARD SHAD	1 223	127.00	1.15
				2 240	160.00	1.16
				3 212	112.00	1.18
				4 242	133.00	0.94
				5 311	300.00	1.00
				6 226	124.00	1.07
				7 207	87.00	0.98
				8 215	110.00	1.11
				9 223	125.00	1.13
				10 193	60.00	0.83
				11 237	134.00	1.01
				12 245	147.00	1.00
				13 220	115.00	1.08
				14 121	18.00	1.02
				15 227	106.00	0.91
				16 110	15.00	1.13
				17 255	191.00	1.15
				18 211	100.00	1.06
				19 335	375.00	1.00
				20 222	120.00	1.10
				21 100	9.00	0.90
				22 97	10.80	1.18
				23 88	7.10	1.04
				24 81	5.90	1.11
				1 110	20.00	1.50
				1 68	2.48	0.79
				1 63	2.43	0.97
				2 54	1.43	0.91
				1 45	0.69	0.76
				1 85	6.59	1.07
				1 264	178.00	0.97
				2 135	25.00	1.02
				3 141	33.00	1.18
				4 137	27.52	1.07
				5 124	18.92	0.99
				6 112	14.49	1.03
			CARP			
			GOLDEN SHINER			
			BLUNTNOSE MINNOW			
			BULLHEAD MINNOW			
			QUILLBACK			
			GOLDEN REDHORSE			



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	B	08 08 86	SHORTHEAD REDHORSE	1	152	35.00	1.00
				2	170	48.00	0.98
				3	128	21.00	1.00
				4	151	34.10	0.99
				5	116	15.22	0.98
			ROCK BASS	1	247	332.00	2.20
				2	127	36.00	1.76
				3	126	38.00	1.90
				4	146	60.00	1.93
				5	136	50.00	1.99
				6	113	24.00	1.66
				7	104	20.00	1.78
				8	198	175.00	2.25
				9	215	225.00	2.26
				10	113	26.00	1.80
				11	122	31.00	1.71
				12	102	18.00	1.70
				13	78	8.64	1.82
				14	73	7.12	1.83
				15	63	4.48	1.79
				16	58	3.37	1.73
			GREEN SUNFISH	1	166	82.00	1.79
				2	153	70.00	1.95
				3	137	53.00	2.06
				4	108	22.00	1.75
				5	125	38.00	1.95
				6	158	72.00	1.83
				7	138	50.00	1.90
			ORANGESPOTTED SUNFISH	1	100	26.00	2.60
				2	93	15.00	1.86
				3	110	26.00	1.95
				4	103	21.00	1.92
				5	95	18.00	2.10
				6	86	13.00	2.04
				7	104	21.00	1.87
				8	105	21.00	1.81

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5L	B	08 08 86	ORANGESPOTTED SUNFISH	9	17.00	2.05
				10	11.00	1.79
				11	16.00	1.81
				12	14.00	1.80
				13	13.00	1.73
				14	16.00	1.81
				15	12.00	1.36
				16	13.00	1.73
				17	14.00	1.44
				18	15.00	1.81
				19	16.00	1.38
				20	15.00	1.46
				21	13.00	1.26
				22	9.00	1.76
				23	8.00	1.45
				24	9.69	1.52
				25	7.91	1.67
				26	7.78	1.70
				27	8.03	1.57
				28	6.81	1.75
				29	4.08	1.49
				30	6.59	1.50
				31	5.78	1.69
				32	4.84	1.54
				33	2.78	1.35
				34	4.21	1.46
				35	3.21	1.41
				36	3.78	1.51
				37	3.35	1.48
				38	2.15	1.44
				39	1.41	1.27
				1	95.00	2.00
				1	30.00	2.25
				2	30.00	2.08
				3	34.00	2.42
				4	15.00	1.99
			BLUEGILL			
			LONGEAR SUNFISH			

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APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	C	08 11 86	BLUNTNORSE MINNOW QUILLBACK	5	62	1.68	0.70
				1	254	182.00	1.11
				2	387	740.00	1.28
			SILVER REDHORSE	1	192	80.00	1.13
				2	185	68.00	1.07
			RIVER REDHORSE	1	132	23.00	1.00
				2	147	36.00	1.13
				3	119	21.00	1.25
			GOLDEN REDHORSE	1	146	35.00	1.12
				2	146	31.00	1.00
				3	121	22.00	1.24
				4	124	17.00	0.89
			SHORTHEAD REDHORSE	1	175	52.00	0.97
			BLACK BULLHEAD	1	186	97.00	1.51
			ROCK BASS	1	147	62.00	1.95
				2	124	35.00	1.84
				3	205	200.00	2.32
				4	184	110.00	1.77
				5	113	28.00	1.94
				6	80	12.00	2.34
			GREEN SUNFISH	1	136	45.00	1.79
				2	148	58.00	1.79
				3	138	47.00	1.79
				4	116	36.00	2.31
			ORANGESPOTTED SUNFISH	1	100	26.00	2.60
				2	96	22.00	2.49
				3	95	15.00	1.75
				4	95	18.00	2.10
				5	89	15.00	2.13
				6	106	25.00	2.10
				7	100	21.00	2.10
				8	96	25.00	2.83
				9	104	26.00	2.31
				10	90	16.00	2.19
				11	86	12.00	1.89
				12	82	8.97	1.63

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	C	08 11 86	ORANGESPOTTED SUNFISH	13	84	8.22	1.39
				14	76	7.81	1.78
				15	70	4.92	1.43
				16	73	6.01	1.54
				17	63	3.57	1.43
				18	58	2.49	1.28
			BLUEGILL	1	66	3.67	1.28
			LONGEAR SUNFISH	1	110	32.00	2.40
				2	96	24.00	2.71
				3	90	13.00	1.78
				4	88	12.91	1.89
				5	53	2.49	1.67
				1	115	20.00	1.32
			SMALLMOUTH BASS	1	102	15.00	1.41
			WHITE CRAPPIE	1	239	139.00	1.02
			GIZZARD SHAD	2	355	399.00	0.89
				3	218	90.00	0.87
				4	265	180.00	0.97
				5	279	240.00	1.11
				6	234	125.00	0.98
				7	263	161.00	0.89
				8	227	135.00	1.15
				9	238	154.00	1.14
				10	112	20.00	1.42
				11	99	14.00	1.44
				12	104	12.00	1.07
				13	220	108.00	1.01
				14	202	80.00	0.97
				15	123	24.00	0.97
				16	191	68.00	0.98
				17	131	28.00	1.25
				18	104	14.00	1.24
				19	130	25.00	1.14
				20	231	140.00	1.14
				21	95	10.00	1.17
				22	97	11.00	1.21

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5L	D	08 14 86	GIZZARD SHAD	23 91	10.00	1.33
				24 88	8.00	1.17
				25 92	10.00	1.28
				26 95	7.33	0.85
			GRASS PICKEREL	1 108	6.81	0.54
				2 103	5.20	0.48
				3 91	3.95	0.52
			SPOTFIN SHINER	1 77	4.22	0.92
			BLUNTNOSE MINNOW	1 61	1.89	0.83
				2 52	1.65	1.17
			NORTHERN HOGSUCKER	1 148	34.00	1.05
			SPOTTED SUCKER	1 122	16.44	0.91
			RIVER REDHORSE	1 136	26.00	1.03
				2 137	28.00	1.09
				3 117	17.00	1.06
			GOLDEN REDHORSE	1 120	19.00	1.10
				1 125	22.00	1.13
				2 201	81.00	1.00
				2 135	28.00	1.14
				3 126	21.00	1.05
				4 144	31.00	1.04
				5 137	26.00	1.01
			SHORTHEAD REDHORSE	1 154	37.00	1.01
				2 168	42.00	0.89
				3 156	36.00	0.95
				4 127	18.00	0.88
				5 141	24.59	0.88
			STONECAT	1 146	22.00	0.71
			BROOK SILVERSIDE	1 56	0.73	0.42
				2 47	0.49	0.47
			ROCK BASS	1 176	110.00	2.02
				2 180	120.00	2.06
				3 114	23.00	1.55
				4 190	137.00	2.00
				5 102	21.00	1.98
				6 182	105.00	1.74

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5L	D	08 14 86	ROCK BASS	7 142	43.00	1.50
				8 106	35.00	2.94
				9 125	38.00	1.95
				10 95	20.00	2.33
				11 81	11.00	2.07
				12 65	4.73	1.72
			GREEN SUNFISH	1 152	58.00	1.65
				2 152	52.00	1.48
				3 150	48.00	1.42
				4 154	75.00	2.05
				5 140	43.00	1.57
				6 73	6.70	1.72
				7 67	5.21	1.73
				8 72	6.95	1.86
			ORANGESPOTTED SUNFISH	1 105	19.00	1.64
				2 97	19.00	2.08
				3 92	14.00	1.80
				4 89	11.00	1.56
				5 102	18.00	1.70
				6 95	18.00	2.10
				7 78	7.63	1.61
				8 78	8.21	1.73
				9 68	4.89	1.56
			BLUEGILL	1 146	72.00	2.31
				2 87	11.00	1.67
				3 72	5.69	1.52
				4 66	4.50	1.57
				5 69	5.07	1.54
			LONGEAR SUNFISH	1 102	23.00	2.17
				2 82	11.00	2.00
				3 81	11.00	2.07
				4 63	4.16	1.66
				5 63	4.27	1.71
				6 70	5.62	1.64
				7 66	5.26	1.83
				8 58	3.55	1.82

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 14 86	LONGEAR SUNFISH	9	51	1.81	1.36
			SMALLMOUTH BASS	1	234	138.00	1.08
				2	196	82.00	1.09
				3	120	20.00	1.16
5R	A	08 05 86	GIZZARD SHAD	1	300	288.00	1.07
				2	235	158.00	1.22
				3	260	198.00	1.13
				4	260	205.00	1.17
				5	256	182.00	1.08
				6	387	560.00	0.97
				7	206	105.00	1.20
				8	212	115.00	1.21
				9	220	110.00	1.03
				10	104	16.00	1.42
				11	100	15.00	1.50
				12	214	112.00	1.14
				13	95	14.00	1.63
				14	82	6.06	1.10
				15	95	8.67	1.01
			NORTHERN PIKE	1	528	800.00	0.54
			BLUNTNORSE MINNOW	1	47	0.71	0.68
				2	44	0.67	0.79
				3	38	0.42	0.77
				4	58	1.09	0.56
			QUILLBACK	1	360	620.00	1.33
			SILVER REDHORSE	1	164	48.00	1.09
			GOLDEN REDHORSE	1	242	145.00	1.02
				2	184	62.00	1.00
				3	113	14.00	0.97
				4	106	11.05	0.93
			BROOK SILVERSIDE	1	85	2.26	0.37
			PUMPKINSEED	1	141	52.00	1.86
			BLUEGILL	1	99	14.00	1.44
				2	94	15.00	1.81
				3	85	12.00	1.95
				4	114	32.00	2.16



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5R	A	08 05 86	BLUEGILL	5 138	55.00	2.09
				6 88	9.79	1.44
				7 72	5.45	1.46
			LONGEAR SUNFISH	1 108	28.00	2.22
				2 104	25.00	2.22
			SMALLMOUTH BASS	1 113	18.00	1.25
				2 114	19.00	1.28
				3 265	220.00	1.18
				4 105	13.00	1.12
				1 174	68.00	1.29
				1 225	115.00	1.01
			LARGEMOUTH BASS	2 185	75.00	1.18
				3 240	145.00	1.05
				4 365	495.00	1.02
				5 275	212.00	1.02
				6 232	135.00	1.08
				7 204	80.00	0.94
				8 215	115.00	1.16
			GRASS PICKEREL	1 112	9.00	0.64
				2 112	7.00	0.50
				3 92	3.61	0.46
			SPOTFIN SHINER	1 73	3.76	0.97
				2 54	1.56	0.99
				3 59	1.51	0.74
				4 53	1.07	0.72
				1 57	1.14	0.62
			BLUNTNOSSE MINNOW	1 386	740.00	1.29
			QUILLBACK	1 171	47.00	0.94
			SILVER REDHORSE	1 350	445.00	1.04
			GOLDEN REDHORSE	1 80	1.95	0.38
			BROOK SILVERSIDE	1 118	35.00	2.13
			ROCK BASS	1 122	38.00	2.09
			GREEN SUNFISH	1 90	12.00	1.65
			ORANGESPOTTED SUNFISH	1 135	49.00	1.99
			BLUEGILL	2 65	4.18	1.52
				1 108	30.00	2.38
			LONGEAR SUNFISH			



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	C	08 11 86	LONGEAR SUNFISH	4	101	21.00	2.04
				5	84	14.00	2.36
				6	82	11.00	2.00
			SMALLMOUTH BASS	1	130	20.00	0.91
			LARGEMOUTH BASS	1	141	29.00	1.03
				2	62	2.63	1.10
	D	08 14 86	GIZZARD SHAD	1	264	194.00	1.05
				2	134	24.00	1.00
				3	116	15.00	0.96
				4	45	0.81	0.89
				1	43	0.57	0.72
			SILVERJAW MINNOW	1	67	3.12	1.04
			SPOTFIN SHINER	2	50	1.28	1.02
				1	31	0.16	0.54
			SAND SHINER	1	46	0.82	0.84
			SUCKERMOUTH MINNOW	2	46	0.85	0.87
				3	42	0.71	0.96
				1	60	1.73	0.80
			BLUNTNOSE MINNOW	2	53	1.18	0.79
				3	51	1.11	0.84
				4	46	0.91	0.93
				5	46	0.76	0.78
				6	46	0.75	0.77
				7	47	0.85	0.82
				8	45	0.74	0.81
				9	46	0.77	0.79
				10	43	0.57	0.72
				11	35	0.29	0.68
				12	32	0.25	0.76
				13	32	0.30	0.92
				14	32	0.24	0.73
				15	32	0.23	0.70
				16	32	0.22	0.67
				17	73	3.69	0.95
				18	63	1.78	0.71
				19	66	1.99	0.69

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
5R	D	08 14 86	BLUNTNOSE MINNOW	20 43	0.69	0.87
				21 50	0.95	0.76
				22 45	0.74	0.81
				23 36	0.37	0.79
			BULLHEAD MINNOW	1 51	1.65	1.24
			QUILLBACK	1 360	565.00	1.21
				2 407	782.00	1.16
				3 267	217.00	1.14
				4 345	585.00	1.42
				1 316	355.00	1.13
			GOLDEN REDHORSE	1 78	8.59	1.81
			ROCK BASS	1 148	62.00	1.91
			GREEN SUNFISH	2 70	6.21	1.81
			ORANGESPOTTED SUNFISH	1 96	16.00	1.81
			BLUEGILL	1 102	20.00	1.88
				2 51	1.71	1.29
			LONGEAR SUNFISH	1 87	13.00	1.97
				2 95	18.00	2.10
				3 96	14.00	1.58
				4 70	6.28	1.83
				5 68	5.57	1.77
				6 61	4.13	1.82
				7 62	4.34	1.82
			SMALLMOUTH BASS	1 96	12.00	1.36
				2 105	14.00	1.21
				1 31	0.23	0.77
			JOHNNY DARTER	1 65	2.44	0.89
6L	A	08 05 86	BLUNTNOSE MINNOW	1 505	1270.00	0.99
			SILVER REDHORSE	1 405	1445.00	2.18
			RIVER REDHORSE	2 125	20.42	1.05
				3 145	32.76	1.07
			GOLDEN REDHORSE	1 320	309.00	0.94
				2 421	765.00	1.03
				3 416	670.00	0.93
				4 342	470.00	1.17
				5 325	380.00	1.11

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	A	08 05 86	GOLDEN REDHORSE	6	355	460.00	1.03
				7	137	33.00	1.28
				8	132	25.00	1.09
				9	250	164.00	1.05
				10	204	97.00	1.14
				11	123	18.00	0.97
				12	312	316.00	1.04
				13	130	21.00	0.96
				14	131	21.00	0.93
				15	116	16.00	1.03
				16	147	25.00	0.79
				17	122	22.00	1.21
				18	117	18.00	1.12
				19	127	21.78	1.06
				20	136	26.14	1.04
				21	113	14.38	1.00
				22	100	11.16	1.12
			SHORTHEAD REDHORSE	1	174	52.00	0.99
				2	158	42.00	1.06
				3	178	52.00	0.92
				4	168	46.00	0.97
				5	137	24.00	0.93
			ROCK BASS	1	250	321.00	2.05
				2	204	178.00	2.10
				3	198	160.00	2.06
				4	206	174.00	1.99
				5	198	168.00	2.16
				6	175	102.00	1.90
				7	188	146.00	2.20
				8	223	228.00	2.06
				9	119	32.00	1.90
				10	221	214.00	1.98
			ORANGESPOTTED SUNFISH	11	185	121.00	1.91
			LONGEAR SUNFISH	1	68	4.35	1.38
				1	104	19.00	1.69
				2	104	21.00	1.87

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	A	08 05 86	LONGEAR SUNFISH	3	72	6.64	1.78
				4	60	3.94	1.82
				1	320	470.00	1.43
				2	265	219.00	1.18
				3	276	231.00	1.10
				4	212	136.00	1.43
				5	220	119.00	1.12
				6	218	124.00	1.20
				7	188	81.00	1.22
				8	110	14.00	1.05
				9	121	20.00	1.13
				10	215	110.00	1.11
				11	188	84.00	1.26
				12	178	66.00	1.17
				13	179	60.00	1.05
				14	125	17.00	0.87
				15	112	12.00	0.85
				16	114	13.00	0.88
				17	113	14.00	0.97
				18	115	15.00	0.99
				19	116	8.00	0.51
				20	102	11.41	1.08
				21	107	12.57	1.03
				22	91	8.10	1.07
				23	97	8.74	0.96
				24	92	7.00	0.90
B	08 08 86	08 08 86	BLACK CRAPPIE	1	260	220.00	1.25
				2	260	222.00	1.26
				1	81	5.20	0.98
				1	48	0.73	0.66
				1	58	1.57	0.80
				1	424	835.00	1.10
				1	502	1590.00	1.26
				1	152	45.00	1.28
				2	138	31.00	1.18
				3	142	34.00	1.19
			STRIPED SHINER SAND SHINER BLUNTNOST MINNOW QUILLBACK SILVER REDHORSE RIVER REDHORSE				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	B	08 08 86	RIVER REDHORSE	4	124	22.00	1.15
				5	138	30.00	1.14
				6	144	32.00	1.07
				7	132	30.00	1.30
				8	130	28.00	1.27
				9	132	25.00	1.09
				1	398	665.00	1.05
				2	384	608.00	1.07
				3	341	450.00	1.13
				4	110	15.00	1.13
			GOLDEN REDHORSE	5	118	16.00	0.97
				6	142	28.00	0.98
				7	133	30.00	1.28
				8	148	40.00	1.23
				9	118	19.00	1.16
				1	147	38.00	1.20
				2	159	40.00	1.00
				3	165	45.00	1.00
				4	168	45.00	0.95
				5	138	35.00	1.33
			SHORTHEAD REDHORSE	1	205	195.00	2.26
				2	112	26.00	1.85
				3	103	18.00	1.65
				4	200	164.00	2.05
				5	215	215.00	2.16
				6	115	26.00	1.71
				7	211	195.00	2.08
				8	122	35.00	1.93
				9	108	20.00	1.59
				1	105	23.00	1.99
			ROCK BASS	2	98	21.00	2.23
				3	91	25.00	3.32
				4	92	14.00	1.80
				1	218	118.00	1.14
				2	205	105.00	1.22
				3	204	110.00	1.30
			LONGEAR SUNFISH				
			SMALLMOUTH BASS				





APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6L	C	08 11 86	GOLDEN REDHORSE	3 136	27.00	1.07
				4 132	33.00	1.43
				5 118	17.00	1.03
				6 144	33.00	1.11
				7 130	25.00	1.14
				8 110	12.00	0.90
				9 132	25.00	1.09
				10 116	21.00	1.35
				11 127	25.00	1.22
				12 118	28.00	1.70
				13 124	24.00	1.26
				14 142	29.00	1.01
				15 130	27.00	1.23
				16 109	13.00	1.00
				17 145	34.00	1.12
				18 148	38.00	1.17
				19 122	20.00	1.10
				20 130	18.00	0.82
				21 110	12.00	0.90
				22 126	17.00	0.85
				23 118	15.00	0.91
				24 141	25.00	0.89
				25 135	26.00	1.06
				26 130	21.00	0.96
			SHORthead REDHORSE	1 135	27.00	1.10
				2 165	44.00	0.98
				3 138	34.00	1.29
				4 141	34.00	1.21
				5 150	34.00	1.01
				6 138	28.00	1.07
				7 157	34.00	0.88
				8 124	24.00	1.26
				9 129	21.00	0.98
				10 144	26.00	0.87
			ROCK BASS	1 198	174.00	2.24
				2 195	163.00	2.20

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6L	C	08 11 86	ROCK BASS	3 208	203.00	2.26
				4 255	378.00	2.28
				5 188	153.00	2.30
				6 204	196.00	2.31
				7 178	128.00	2.27
				8 137	61.00	2.37
			ORANGESPOTTED SUNFISH	1 76	6.66	1.52
				2 75	6.76	1.60
				3 64	3.68	1.40
			BLUEGILL	1 42	0.87	1.17
			LONGEAR SUNFISH	1 101	24.00	2.33
				2 94	15.00	1.81
				3 104	25.00	2.22
				4 80	8.86	1.73
				5 75	7.30	1.73
				6 58	2.65	1.36
			SMALLMOUTH BASS	7 53	2.01	1.35
				1 310	385.00	1.29
				2 122	19.00	1.05
				3 165	53.00	1.18
				4 109	18.00	1.39
				5 108	15.00	1.19
				6 134	25.00	1.04
				7 107	14.00	1.14
				1 225	105.00	0.92
				1 66	2.55	0.89
				2 62	1.96	0.82
			QUILLBACK	1 306	320.00	1.12
			NORTHERN HOGSUCKER	1 272	260.00	1.29
			RIVER REDHORSE	1 165	144.00	3.21
				2 140	30.00	1.09
				3 132	24.00	1.04
				4 143	35.00	1.20
				5 140	34.00	1.24
				6 139	29.00	1.08
				7 125	24.00	1.23
	D	08 14 86	GIZZARD SHAD			
			BLUNTNOSE MINNOW			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	D	08 14 86	RIVER REDHORSE	8	155	40.00	1.07
				9	142	33.00	1.15
				10	119	20.00	1.19
			GOLDEN REDHORSE	1	120	20.00	1.16
				2	145	32.00	1.05
				3	132	36.00	1.57
				4	132	24.00	1.04
				5	175	52.00	0.97
				6	156	42.00	1.11
				7	137	27.00	1.05
				8	143	35.00	1.20
				9	107	15.00	1.22
				10	402	780.00	1.20
				11	104	16.00	1.42
				12	113	14.00	0.97
				13	134	24.00	1.00
				14	127	21.00	1.03
				15	143	25.00	0.85
				16	122	18.00	0.99
				17	125	21.00	1.08
			SHORTHEAD REDHORSE	1	145	30.00	0.98
				2	148	32.00	0.99
				3	142	27.00	0.94
				4	150	32.00	0.95
				1	200	170.00	2.13
				2	210	210.00	2.27
				3	225	255.00	2.24
				4	176	110.00	2.02
				5	125	32.00	1.64
				6	110	24.00	1.80
				7	115	26.00	1.71
				8	78	8.39	1.77
				9	69	5.56	1.69
				10	68	5.77	1.84
			GREEN SUNFISH	1	69	5.58	1.70
			ORANGESPOTTED SUNFISH	1	91	12.00	1.59

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6L	D	08 14 86	LONGEAR SUNFISH	1 114	26.00	1.75
			SMALLMOUTH BASS	1 236	152.00	1.16
				2 225	130.00	1.14
				3 110	15.00	1.13
				4 175	70.00	1.31
				5 110	20.00	1.50
				6 125	22.00	1.13
				7 130	24.00	1.09
				8 110	17.00	1.28
				9 125	20.00	1.02
				10 183	75.00	1.22
				11 108	10.00	0.79
				12 202	94.00	1.14
				13 190	70.00	1.02
				1 281	325.00	1.46
				1 485	540.00	0.47
				1 95	7.82	0.91
				2 68	2.85	0.91
				1 59	1.64	0.80
				2 66	1.68	0.58
				3 67	2.07	0.69
				1 75	3.66	0.87
				1 66	2.77	0.96
				1 244	420.00	2.89
				1 255	174.00	1.05
				1 316	395.00	1.25
				1 172	111.00	2.18
				2 98	19.00	2.02
				3 60	3.45	1.60
				1 116	29.00	1.86
				2 105	24.00	2.07
				1 125	40.00	2.05
				2 85	16.00	2.61
				1 258	328.00	1.91
				2 176	65.00	1.19
				1 277	270.00	1.27
6R	A	08 05 86	FRESHWATER DRUM			
			CARP			
			STRIPED SHINER			
			ROSYFACE SHINER			
			SPOTFIN SHINER			
			BLUNTNOSE MINNOW			
			NORTHERN HOGSUCKER			
			RIVER REDHORSE			
			GOLDEN REDHORSE			
			ROCK BASS			
			GREEN SUNFISH			
			LONGEAR SUNFISH			
			SMALLMOUTH BASS			
B		08 08 86	CARP			



APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6R	C	08 11 86	SPOTFIN SHINER	1	72	3.19	0.85
				2	64	2.47	0.94
				3	54	1.35	0.86
				4	52	0.96	0.68
			SAND SHINER	1	48	1.01	0.91
			BLUNTNOSE MINNOW	1	58	1.60	0.82
				2	60	1.07	0.50
				3	52	1.05	0.75
				4	51	1.05	0.79
				5	54	1.40	0.89
				6	49	0.72	0.61
				7	64	1.93	0.74
				8	78	4.37	0.92
				9	72	3.86	1.03
			BULLHEAD MINNOW	1	52	1.43	1.02
				2	54	1.47	0.93
				3	44	0.69	0.81
			SILVER REDHORSE	1	176	60.00	1.10
			RIVER REDHORSE	1	285	230.00	0.99
				2	132	27.00	1.17
			GOLDEN REDHORSE	1	262	192.00	1.07
			LONGEAR SUNFISH	2	99	8.60	0.89
				1	106	24.40	2.05
				2	87	12.34	1.87
				3	56	2.93	1.67
				4	59	3.23	1.57
			SMALLMOUTH BASS	1	315	410.00	1.31
				2	97	12.00	1.31
			STRIPED SHINER	1	77	4.36	0.96
				2	57	1.53	0.83
			SPOTFIN SHINER	1	51	1.10	0.83
			BLUNTNOSE MINNOW	1	70	3.24	0.94
				2	65	2.02	0.74
				3	63	2.36	0.94
			GOLDEN REDHORSE	1	330	410.00	1.14
				2	111	14.91	1.09
	D	08 14 86					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6R	D	08 14 86	ROCK BASS	1	190	134.00	1.95
				2	137	48.00	1.87
				3	140	47.00	1.71
			GREEN SUNFISH	1	146	60.00	1.93
			LONGEAR SUNFISH	1	102	20.28	1.91
			SMALLMOUTH BASS	1	240	180.00	1.30
				2	210	110.00	1.19

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986.

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	A	08 04 86	STRIPED SHINER	1	34	0.31	0.79
				2	29	0.20	0.82
			SPOTFIN SHINER	1	53	1.21	0.81
				2	70	2.92	0.85
			SAND SHINER	1	45	0.71	0.78
			SUCKERMOUTH MINNOW	1	35	0.32	0.75
			BLUNTNOSE MINNOW	1	62	1.90	0.80
				2	49	1.03	0.88
				3	47	0.89	0.86
				4	41	0.72	1.04
				5	48	1.06	0.96
				6	42	0.62	0.84
				7	52	1.19	0.85
				8	42	0.69	0.93
				9	48	1.02	0.92
				10	43	0.62	0.78
				11	46	0.86	0.88
				12	54	1.15	0.73
				13	44	0.67	0.79
				14	43	0.63	0.79
				15	43	0.52	0.65
				16	42	0.61	0.82
				17	38	0.40	0.73
				18	38	0.49	0.89
				19	38	0.37	0.67
				20	37	0.42	0.83
				21	38	0.41	0.75
				22	38	0.44	0.80
				23	37	0.39	0.77
				24	29	0.17	0.70
			GOLDEN REDHORSE	1	94	9.01	1.08
				2	89	7.19	1.02
			JOHNNY DARTER	3	85	6.46	1.05
			STRIPED SHINER	1	45	0.27	0.30
B			SPOTFIN SHINER	1	68	2.75	0.87
				1	72	3.14	0.84



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STN	REP	DATE	SPECIES	ID	LENGTH NO. (MM)	WEIGHT (G)	KTL
1L	B	08 04 86	SPOTFIN SHINER	2	51	1.15	0.87
			BLUNTNOSE MINNOW	1	65	2.81	1.02
				2	65	2.48	0.90
				3	45	0.69	0.76
				4	58	1.64	0.84
				5	63	2.24	0.90
				6	66	2.33	0.81
				7	60	2.01	0.93
				8	58	1.43	0.73
				9	45	0.75	0.82
				116	116	14.74	0.94
			GOLDEN REDHORSE	1	33	0.25	0.70
			JOHNNY DARTER	1	63	1.96	0.78
			SLENDERHEAD DARTER	1	32	0.19	0.58
			PALLID CHUB	1	34	0.21	0.53
				2	52	0.93	0.66
			SAND SHINER	1	50	0.82	0.66
				2	45	0.65	0.71
				3	63	2.01	0.80
			BLUNTNOSE MINNOW	1	51	0.97	0.73
				2	53	0.98	0.66
				3	52	1.10	0.78
				4	47	0.72	0.69
				5	48	0.72	0.65
				6	122	21.00	1.16
			RIVER REDHORSE	1	168	96.00	2.02
			ROCK BASS	1	58	2.68	1.37
			LONGEAR SUNFISH	1	109	12.69	0.98
			SMALLMOUTH BASS	1	40	0.39	0.61
			JOHNNY DARTER	1	31	0.13	0.44
				2	54	1.31	0.83
			SPOTFIN SHINER	1	89	7.72	1.10
			HORNHEAD CHUB	1	55	1.39	0.84
			SPOTFIN SHINER	1	62	2.05	0.86
			SAND SHINER	1	65	2.43	0.88
			BLUNTNOSE MINNOW	2	63	2.31	0.92
1R	A	08 04 86					

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	A	08 04 86	LONGEAR SUNFISH SLENDERHEAD DARTER	1	92	16.28	2.09
				1	53	0.96	0.64
				2	53	1.02	0.69
				1	77	4.36	0.96
				2	74	3.38	0.83
	B		SPOTFIN SHINER	3	68	1.93	0.61
				4	63	2.26	0.90
				5	52	1.19	0.85
				6	51	1.01	0.76
				7	48	0.97	0.88
			BLUNTNOSE MINNOW	8	51	1.22	0.92
				9	47	0.71	0.68
				1	61	1.97	0.87
				2	64	1.82	0.69
				3	63	2.24	0.90
				1	121	18.02	1.02
				1	45	1.34	1.47
				1	59	1.64	0.80
				1	50	0.86	0.69
				2	47	0.70	0.67
			BLUNTNOSE MINNOW BULLHEAD MINNOW	1	66	2.18	0.76
				2	49	0.93	0.79
				1	53	1.30	0.87
				2	48	0.92	0.83
				1	16	0.03	0.73
				1	55	2.39	1.44
				1	56	1.24	0.71
				1	58	1.66	0.85
				1	56	1.37	0.78
				2	48	0.87	0.79
			BLUNTNOSE MINNOW	1	73	3.83	0.98
				2	67	2.78	0.92
				3	72	4.07	1.09
				4	63	2.45	0.98
				5	66	2.68	0.93
				6	67	2.45	0.81

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	D	08 12 86	BLUNTNOSE MINNOW BULLHEAD MINNOW ROCK BASS	7	63	2.04	0.82
				1	59	2.07	1.01
				1	129	40.04	1.87
				2	110	24.62	1.85
				3	106	21.14	1.77
				4	88	11.72	1.72
				5	77	8.22	1.80
				6	88	13.51	1.98
				7	85	10.07	1.64
				8	78	8.33	1.76
				9	72	6.28	1.68
				10	80	8.49	1.66
				11	75	7.64	1.81
				12	73	6.66	1.71
				13	73	6.87	1.77
				14	70	5.27	1.54
				15	66	4.91	1.71
				16	67	5.20	1.73
			LONGEAR SUNFISH	17	67	5.30	1.76
				18	52	2.53	1.80
				1	97	17.13	1.88
				2	86	13.15	2.07
				3	77	8.26	1.81
				4	68	5.77	1.84
				5	58	3.23	1.66
				6	58	3.40	1.74
				1	110	14.28	1.07
				1	43	0.55	0.69
				2	39	0.36	0.61
				3	42	0.50	0.67
				4	43	0.57	0.72
				1	52	1.09	0.78
				1	52	0.96	0.68
				2	47	0.81	0.78
				3	47	0.70	0.67
				4	46	0.65	0.67
2	A	08 04 86	SPOTFIN SHINER REDFIN SHINER				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 04 86	REDFIN SHINER BLUNTNOSE MINNOW	5	41	0.48	0.70
				1	53	1.23	0.83
				2	25	0.08	0.51
				3	23	0.05	0.41
			LONGEAR SUNFISH	4	22	0.03	0.28
				1	102	19.00	1.79
				2	124	38.00	1.99
				3	110	23.00	1.73
				4	106	22.00	1.85
				5	120	33.00	1.91
				6	106	26.00	2.18
				7	116	32.00	2.05
				8	106	23.00	1.93
				9	96	13.00	1.47
				1	37	0.33	0.65
				2	35	0.27	0.63
				1	37	0.25	0.49
B			JOHNNY DARTER	2	36	0.20	0.43
				3	33	0.16	0.45
			STRIPED SHINER	4	32	0.16	0.49
				5	30	0.11	0.41
				6	33	0.14	0.39
				7	31	0.15	0.50
				8	33	0.15	0.42
				9	33	0.17	0.47
				10	30	0.08	0.30
				11	32	0.12	0.37
				12	30	0.11	0.41
				13	29	0.07	0.29
				14	28	0.05	0.23
				1	51	0.84	0.63
				2	47	0.71	0.68
C		08 12 86	SPOTFIN SHINER	3	44	0.57	0.67
				4	47	0.70	0.67
				1	166	85.00	1.86
				1	39	0.40	0.67
			BLUEGILL JOHNNY DARTER				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 12 86	SAND SHINER	1	56	1.28	0.73
				2	53	1.22	0.82
				3	48	0.84	0.76
				4	47	0.71	0.68
				1	22	0.06	0.56
				1	16	0.03	0.73
3L	A	08 04 86	BLUNTNOSSE MINNOW	1	127	14.02	0.68
			GREEN SUNFISH	1	55	1.37	0.82
			GRASS PICKEREL	1	56	1.36	0.77
			SPOTFIN SHINER	1	53	1.06	0.71
			REDFIN SHINER	2	57	1.31	0.71
				1	44	0.64	0.75
			BLUNTNOSSE MINNOW	3	51	1.08	0.81
				4	43	0.56	0.70
				5	40	0.48	0.75
				6	43	0.57	0.72
				7	56	1.48	0.84
				8	46	0.76	0.78
				1	87	10.88	1.65
			ORANGESPOTTED SUNFISH	1	60	2.86	1.32
			BLUEGILL	1	130	44.37	2.02
			LONGEAR SUNFISH	1	38	0.32	0.58
	B		EMERALD SHINER	1	58	1.65	0.85
			STRIPED SHINER	1	47	0.88	0.85
			RED SHINER	1	44	0.50	0.59
			ROSYFACE SHINER	2	44	0.44	0.52
				1	57	1.35	0.73
			SPOTFIN SHINER	2	44	0.54	0.63
				3	56	1.43	0.81
				4	43	0.68	0.86
				5	46	0.65	0.67
				6	51	0.97	0.73
				7	39	0.40	0.67
				8	57	1.72	0.93
				9	52	1.33	0.95
				10	44	0.60	0.70

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	B	08 04 86	SPOTFIN SHINER	11	56	1.37	0.78
				12	46	0.78	0.80
				13	44	0.73	0.86
			REDFIN SHINER	14	44	0.64	0.75
				1	54	1.18	0.75
				2	50	0.94	0.75
				3	45	0.71	0.78
				4	45	0.67	0.74
				5	38	0.29	0.53
				6	49	0.76	0.65
				7	43	0.55	0.69
				8	47	0.83	0.80
				9	47	0.68	0.65
				10	48	0.79	0.71
				11	48	0.73	0.66
				12	47	0.71	0.68
				13	46	0.60	0.62
			BLUNTNOSE MINNOW	14	44	0.26	0.31
				1	42	0.49	0.66
				2	53	1.25	0.84
				3	43	0.65	0.82
				4	49	0.95	0.81
				5	51	1.04	0.78
				6	47	0.71	0.68
				7	51	1.04	0.78
				8	56	1.36	0.77
				9	44	0.61	0.72
				10	48	1.02	0.92
				11	44	0.68	0.80
				12	45	0.66	0.72
				13	44	0.60	0.70
				14	48	0.87	0.79
				15	56	1.29	0.73
				16	53	1.28	0.86
			ROCK BASS	17	51	0.85	0.64
				1	142	59.00	2.06

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	B C	08 04 86 08 12 86	ROCK BASS MIMIC SHINER BLUNTNOSE MINNOW	2	235	292.00	2.25
				1	40	0.39	0.61
				1	43	0.55	0.69
				2	43	0.53	0.67
				3	47	0.85	0.82
				4	58	1.37	0.70
				5	45	0.55	0.60
				6	46	0.72	0.74
				7	48	0.82	0.74
				8	31	0.16	0.54
				9	50	0.84	0.67
				10	46	0.63	0.65
				11	45	0.66	0.72
D			LONGEAR SUNFISH ROSYFACE SHINER SPOTFIN SHINER	12	43	0.58	0.73
				13	37	0.32	0.63
				1	114	31.00	2.09
				1	16	0.02	0.49
				2	14	0.02	0.73
				1	48	0.83	0.75
				2	48	0.91	0.82
				3	40	0.42	0.66
				1	122	21.00	1.16
				1	100	25.00	2.50
				2	56	2.78	1.58
				1	56	1.35	0.77
				2	50	0.89	0.71
3R	A B C	08 04 86 08 12 86	GOLDEN REDHORSE LONGEAR SUNFISH SPOTFIN SHINER BLUNTNOSE MINNOW BLACKSTRIPE TOPMINNOW SPOTFIN SHINER BLUNTNOSE MINNOW BROOK SILVERSIDE BLUNTNOSE MINNOW	3	41	0.47	0.68
				1	48	0.92	0.83
				2	47	0.82	0.79
				1	31	0.21	0.70
				1	49	0.89	0.76
				2	40	0.38	0.59
				1	50	0.97	0.78
				1	77	1.46	0.32
				2	79	1.71	0.35
				1	53	1.03	0.69

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	C	08 12 86	BLUNTNOSE MINNOW	2	52	1.05	0.75
				3	58	1.54	0.79
				4	46	0.71	0.73
				5	50	0.96	0.77
				6	51	1.01	0.76
				7	47	0.70	0.67
				8	49	0.88	0.75
				9	48	0.79	0.71
				10	46	0.71	0.73
				11	44	0.61	0.72
				12	44	0.61	0.72
				13	46	0.63	0.65
				14	45	0.64	0.70
				15	52	1.22	0.87
				16	60	1.81	0.84
				17	49	0.89	0.76
				18	47	0.81	0.78
				19	48	0.77	0.70
				20	47	0.75	0.72
				21	42	0.48	0.65
				22	65	2.07	0.75
D			BLUNTNOSE MINNOW	1	58	1.67	0.86
				2	58	1.44	0.74
				3	57	1.52	0.82
				4	50	0.95	0.76
				5	48	0.77	0.70
				6	36	0.28	0.60
				7	34	0.24	0.61
				8	28	0.07	0.32
				1	35	0.24	0.56
				1	50	1.05	0.84
				2	51	1.04	0.78
				3	53	1.32	0.89
				4	49	0.93	0.79
				5	47	0.86	0.83
				6	47	0.87	0.84
4L	A	08 04 86	JOHNNY DARTER				
			BLUNTNOSE MINNOW				



APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	A	08 04 86	BLUNTNORSE MINNOW	7	46	0.66	0.68
				8	52	1.35	0.96
				9	64	2.49	0.95
				10	52	0.96	0.68
				11	56	1.31	0.75
				12	51	1.00	0.75
				13	56	1.43	0.81
				14	53	1.20	0.81
				15	57	1.35	0.73
				16	50	1.17	0.94
				17	51	1.05	0.79
				18	42	0.57	0.77
				19	41	0.50	0.73
				20	42	0.83	1.12
				21	46	0.72	0.74
				22	43	0.61	0.77
				23	45	0.65	0.71
				24	41	0.48	0.70
				25	56	1.47	0.84
				26	54	1.22	0.77
				27	55	1.38	0.83
				28	47	0.79	0.76
				29	47	0.82	0.79
				30	52	1.14	0.81
				31	44	0.65	0.76
				32	56	1.50	0.85
				33	46	0.86	0.88
				34	47	0.75	0.72
			ORANGESPOTTED SUNFISH	1	81	8.02	1.51
			LONGEAR SUNFISH	1	110	29.37	2.21
				2	92	16.25	2.09
				3	66	4.77	1.66
				4	91	14.49	1.92
				5	89	14.67	2.08
				6	95	16.28	1.90
				7	89	13.78	1.95

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	A	08 04 86	LONGEAR SUNFISH	8	81	10.42	1.96
				9	74	7.74	1.91
				10	73	6.85	1.76
				11	65	4.71	1.72
				12	66	5.13	1.78
				13	60	3.50	1.62
				14	47	1.60	1.54
				1	120	15.01	0.87
			WHITE CRAPPIE	1	38	0.40	0.73
			JOHNNY DARTER	2	35	0.32	0.75
				1	30	0.16	0.59
			STRIPED SHINER	1	50	1.37	1.10
			BLUNTNOSE MINNOW	2	57	1.63	0.88
				3	61	1.96	0.86
				4	65	2.37	0.86
				5	54	1.42	0.90
				6	52	1.28	0.91
				7	48	0.95	0.86
				8	52	1.11	0.79
				9	50	1.05	0.84
				10	49	1.01	0.86
				11	46	0.79	0.81
				12	48	0.94	0.85
				13	44	0.70	0.82
				14	41	0.47	0.68
				15	54	1.17	0.74
				16	48	1.00	0.90
				17	51	1.07	0.81
				18	49	1.02	0.87
				1	87	11.97	1.82
				1	94	15.30	1.84
				2	91	14.49	1.92
				3	95	17.23	2.01
				4	87	10.40	1.58
				5	77	7.31	1.60
				6	88	11.96	1.76
			GREEN SUNFISH				
			ORANGESPOTTED SUNFISH				

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
4L	B	08 04 86	ORANGESPOTTED SUNFISH	7	71	1.63
				8	78	1.67
				9	65	1.74
			LONGEAR SUNFISH	1	103	2.20
				2	99	1.98
				3	86	1.87
				4	63	1.86
				5	64	2.17
				6	62	1.88
				7	60	1.62
			BLACK CRAPPIE	1	119	1.04
	C	08 12 86	SPOTFIN SHINER	1	67	0.88
				2	38	0.78
				3	21	0.76
				4	18	0.51
			SAND SHINER	1	50	0.54
			MIMIC SHINER	1	42	0.59
				2	38	0.56
			BLUNTNOSE MINNOW	1	43	0.70
				2	43	0.67
				3	47	0.71
				4	46	0.73
				5	52	0.79
				6	43	0.63
				7	47	0.77
				8	47	0.79
				9	47	0.92
				10	47	0.81
				11	43	0.77
				12	48	0.74
				13	46	0.78
				14	42	0.70
				15	41	0.65
				16	33	0.81
				17	38	0.73
				18	31	0.77

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4L	C	08 12 86	BLUNTNOSE MINNOW	19	29	0.19	0.78
				20	31	0.23	0.77
				21	30	0.15	0.56
				22	64	1.68	0.64
				23	59	1.54	0.75
				24	41	0.50	0.73
				25	40	0.47	0.73
				26	47	0.71	0.68
				27	64	2.06	0.79
				28	57	1.49	0.80
				29	51	1.17	0.88
				30	47	0.78	0.75
				31	49	0.89	0.76
				32	53	1.07	0.72
				33	45	0.67	0.74
				34	44	0.61	0.72
				35	40	0.47	0.73
				36	44	0.59	0.69
				37	43	0.54	0.68
			BULLHEAD MINNOW	1	16	0.02	0.49
				2	15	0.01	0.30
				1	95	15.00	1.75
			ORANGESPOTTED SUNFISH JOHNNY DARTER	1	42	0.58	0.78
				2	43	0.66	0.83
				3	42	0.50	0.67
			BLUNTNOSE MINNOW	4	36	0.33	0.71
				5	34	0.30	0.76
				1	47	0.91	0.88
				2	56	1.42	0.81
				3	54	1.28	0.81
				4	42	0.60	0.81
				5	48	0.85	0.77
				6	50	1.07	0.86
				7	50	1.02	0.82
				8	43	0.62	0.78
				9	43	0.58	0.73

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
4L	D	08 12 86	BLUNTNOSE MINNOW	10	42	0.52	0.70	
				11	40	0.43	0.67	
				12	67	2.27	0.75	
				13	56	1.36	0.77	
				14	42	0.56	0.76	
				15	65	2.44	0.89	
				16	66	2.67	0.93	
				17	61	1.87	0.82	
				18	61	1.97	0.87	
				19	63	2.31	0.92	
				20	59	1.72	0.84	
				21	52	1.09	0.78	
				22	48	0.89	0.80	
				23	53	1.04	0.70	
				24	47	0.81	0.78	
				25	48	0.89	0.80	
				26	48	0.87	0.79	
				27	47	0.85	0.82	
				GREEN SUNFISH BLUEGILL	1	17	0.04	0.81
					1	90	11.41	1.57
					2	33	0.43	1.20
					3	27	0.24	1.22
					4	24	0.16	1.16
					1	87	11.44	1.74
				LONGEAR SUNFISH SAND SHINER	2	63	4.17	1.67
					1	43	0.51	0.64
					2	43	0.45	0.57
3	45	0.49	0.54					
1	51	0.98	0.74					
2	42	0.51	0.69					
BLUNTNOSE MINNOW BROOK SILVERSIDE	3	36	0.31	0.66				
	1	84	2.26	0.38				
	2	74	1.43	0.35				
B		08 04 86	LONGEAR SUNFISH SPOTFIN SHINER SAND SHINER	1	51	1.87	1.41	
				1	46	0.71	0.73	
				1	40	0.41	0.64	

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	B	08 04 86	SAND SHINER	2	37	0.32	0.63
			MIMIC SHINER	1	39	0.34	0.57
			BLUNTNOST MINNOW	1	36	0.29	0.62
				2	26	0.09	0.51
				1	62	1.84	0.77
	C	08 12 86	SLNDERHEAD DARTER	1	68	1.08	0.34
	D		BROOK SILVERSIDE	1	55	1.57	0.94
			SPOTFIN SHINER	2	53	1.07	0.72
				3	46	0.72	0.74
				4	41	0.47	0.68
				5	43	0.57	0.72
				6	45	0.57	0.63
				7	46	0.77	0.79
				8	50	0.96	0.77
				9	56	1.37	0.78
				10	45	0.63	0.69
				11	46	0.79	0.81
				12	45	0.60	0.66
				13	53	1.10	0.74
				14	46	0.61	0.63
				15	46	0.78	0.80
				16	45	0.75	0.82
				17	43	0.54	0.68
				18	28	0.08	0.36
				19	26	0.05	0.28
				20	19	0.03	0.44
				1	55	1.32	0.79
				2	56	1.37	0.78
				3	47	0.76	0.73
				4	48	0.84	0.76
				5	41	0.48	0.70
				6	46	0.70	0.72
				7	42	0.50	0.67
				8	41	0.47	0.68
				9	57	1.37	0.74
				10	57	1.35	0.73
			BLUNTNOST MINNOW				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	D	08 12 86	BLUNTNOSE MINNOW	11	51	1.00	0.75
			BULLHEAD MINNOW	1	49	1.00	0.85
			GOLDEN REDHORSE	1	285	365.00	1.58
			JOHNNY DARTER	1	44	0.42	0.49
				2	35	0.21	0.49
				3	31	0.10	0.34
				1	76	3.69	0.84
5L	A	08 04 86	BLACKSIDE DARTER	1	110	7.40	0.56
			GRASS PICKEREL	1	41	0.71	1.03
			CARP	1	25	0.11	0.70
			BLUNTNOSE MINNOW	1	56	2.66	1.51
			BLUEGILL	2	28	0.22	1.00
				3	29	0.26	1.07
				4	26	0.18	1.02
				5	26	0.20	1.14
			LONGEAR SUNFISH	1	67	5.36	1.78
				2	65	4.13	1.50
			LONGNOSE GAR	1	98	1.09	0.12
B			GRASS PICKEREL	1	128	11.31	0.54
				2	115	7.35	0.48
				3	106	6.03	0.51
			PALLID CHUB	1	35	0.28	0.65
			BLUNTNOSE MINNOW	1	29	0.16	0.66
				2	24	0.08	0.58
			QUILLBACK	1	67	3.54	1.18
				2	65	3.34	1.22
				3	65	3.11	1.13
				1	27	0.14	0.71
			BLACKSTRIPE TOPMINNOW	1	138	47.00	1.79
			GREEN SUNFISH	2	137	42.76	1.66
				3	109	22.39	1.73
				4	87	12.40	1.88
				5	70	7.02	2.05
				6	63	4.55	1.82
				1	70	5.07	1.48
			ORANGESPOTTED SUNFISH	2	73	6.12	1.57

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	B	08 04 86	ORANGESPOTTED SUNFISH	3	71	5.75	1.61
				4	75	6.96	1.65
				5	66	4.64	1.61
				6	67	4.57	1.52
				7	68	4.67	1.49
			BLUEGILL	1	61	3.47	1.53
				2	63	3.65	1.46
				3	57	3.03	1.64
				4	57	2.92	1.58
				5	59	3.19	1.55
				6	31	0.39	1.31
				7	22	0.12	1.13
				1	36	0.34	0.73
			JOHNNY DARTER	1	33	0.26	0.72
			PALLID CHUB	1	52	1.20	0.85
			BLUNTNOSE MINNOW	2	48	1.05	0.95
				3	50	0.92	0.74
				4	50	1.19	0.95
				5	46	0.83	0.85
				6	40	0.54	0.84
				7	31	0.27	0.91
				8	30	0.23	0.85
				9	65	2.53	0.92
				10	56	1.58	0.90
				11	50	1.18	0.94
				12	53	1.43	0.96
				13	53	1.33	0.89
				14	52	1.31	0.93
				15	52	1.24	0.88
				16	63	2.24	0.90
				17	53	1.15	0.77
				18	51	1.04	0.78
				19	40	0.57	0.89
			FATHEAD MINNOW	1	45	0.57	0.63
			ROCK BASS	1	28	0.36	1.64
			GREEN SUNFISH	1	116	31.00	1.99



APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	C	08 12 86	GREEN SUNFISH	2	141	55.00	1.96
				3	102	24.00	2.26
				4	87	14.00	2.13
				5	89	15.00	2.13
				6	95	17.00	1.98
				7	66	5.27	1.83
				1	69	5.05	1.54
				2	66	4.53	1.58
				3	59	3.32	1.62
				4	62	3.92	1.64
				5	46	1.39	1.43
				6	46	1.33	1.37
				1	23	0.15	1.23
				1	46	0.85	0.87
				1	48	1.21	1.09
				1	45	0.80	0.88
				1	86	6.44	1.01
				2	53	1.15	0.77
				3	41	0.45	0.65
				4	41	0.46	0.67
				1	117	9.75	0.61
				2	111	6.43	0.47
				1	17	0.02	0.41
				2	18	0.03	0.51
				3	18	0.02	0.34
				4	17	0.02	0.41
				1	18	0.03	0.51
				2	23	0.06	0.49
				3	20	0.04	0.50
				4	21	0.04	0.43
				5	23	0.06	0.49
				6	23	0.08	0.66
				7	22	0.04	0.38
				8	18	0.02	0.34
				1	28	0.13	0.59
				2	31	0.22	0.74
			ORANGESPOTTED SUNFISH				
			BLUEGILL				
			WHITE CRAPPIE				
			BLACK CRAPPIE				
			JOHNNY DARTER				
			GIZZARD SHAD				
			GRASS PICKEREL				
			SPOTFIN SHINER				
			SAND SHINER				
			BLUNTNOSE MINNOW				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 12 86	BLUNTNOSE MINNOW	3	30	0.18	0.67
			CHANNEL CATFISH	1	56	1.40	0.80
			GREEN SUNFISH	1	26	0.26	1.48
			ORANGESPOTTED SUNFISH	1	56	2.47	1.41
			BLUEGILL	1	25	0.18	1.15
5R	A	08 04 86	SUCKERMOUTH MINNOW	1	31	0.19	0.64
			BLUNTNOSE MINNOW	1	50	0.97	0.78
				2	42	0.51	0.69
				3	25	0.09	0.58
				4	24	0.10	0.72
				5	28	0.13	0.59
				6	25	0.07	0.45
				7	22	0.04	0.38
				8	18	0.02	0.34
			BLUEGILL	1	50	1.72	1.38
			LONGEAR SUNFISH	1	101	20.08	1.95
				2	93	15.89	1.98
				3	93	16.33	2.03
				4	95	16.75	1.95
				5	63	4.40	1.76
				6	62	4.14	1.74
				7	52	2.44	1.74
				8	48	1.78	1.61
				9	50	1.95	1.56
				10	44	1.23	1.44
B			GIZZARD SHAD	1	35	0.26	0.61
			GRASS PICKEREL	1	128	10.44	0.50
			STRIPED SHINER	1	66	2.42	0.84
				2	64	2.20	0.84
				3	53	1.28	0.86
			SPOTFIN SHINER	4	63	2.28	0.91
			BLUEGILL	1	48	0.90	0.81
			LONGEAR SUNFISH	1	58	2.75	1.41
C		08 12 86	REDFIN SHINER	1	62	4.21	1.77
			BLUNTNOSE MINNOW	1	49	0.94	0.80
				1	49	1.13	0.96

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	C	08 12 86	BLUNTNOSE MINNOW	2	49	1.00	0.85
				3	36	0.36	0.77
				4	33	0.27	0.75
				5	28	0.16	0.73
				6	27	0.13	0.66
				7	27	0.15	0.76
				8	24	0.10	0.72
				9	25	0.11	0.70
				10	22	0.06	0.56
				11	23	0.07	0.58
				12	61	1.69	0.74
				13	53	1.47	0.99
				14	27	0.12	0.61
				15	73	3.34	0.86
				16	45	0.60	0.66
			BULLHEAD MINNOW	1	45	0.78	0.86
			ORANGESPOTTED SUNFISH	1	74	6.37	1.57
				2	70	5.04	1.47
				3	70	5.00	1.46
				4	66	4.26	1.48
				5	60	3.26	1.51
				6	60	2.97	1.37
				1	70	6.17	1.80
				1	75	4.67	1.11
			LONGEAR SUNFISH	1	46	0.67	0.69
			LARGEMOUTH BASS	1	42	0.46	0.62
			REDFIN SHINER	1	37	0.38	0.75
			SUCKERMOUTH MINNOW	2	37	0.14	0.57
				3	29	0.14	0.57
				1	46	0.78	0.80
			BLUNTNOSE MINNOW	2	47	0.81	0.78
				3	49	1.07	0.91
				4	37	0.37	0.73
				5	32	0.22	0.67
				6	34	0.31	0.79
				7	30	0.21	0.78
				8	32	0.23	0.70

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APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	D	08 12 86	BLUNTNOSE MINNOW	9	28	0.16	0.73
				10	31	0.20	0.67
				11	31	0.22	0.74
				12	31	0.22	0.74
				13	30	0.17	0.63
				14	31	0.22	0.74
				15	27	0.13	0.66
				16	27	0.12	0.61
				17	27	0.12	0.61
				18	24	0.10	0.72
				19	26	0.13	0.74
				20	16	0.03	0.73
				21	56	1.46	0.83
				22	51	1.10	0.83
				23	42	0.59	0.80
				24	53	1.01	0.68
				25	28	0.16	0.73
				26	29	0.13	0.53
				1	29	0.15	0.62
				1	85	9.97	1.62
				2	83	9.55	1.67
				3	68	4.43	1.41
				4	67	4.75	1.58
				5	62	3.49	1.46
				6	63	3.91	1.56
				7	63	3.41	1.36
				8	61	3.23	1.42
				9	54	2.17	1.38
6L	A	08 04 86	JOHNNY DARTER BLUNTNOSE MINNOW	1	39	0.40	0.67
				1	53	1.34	0.90
				2	46	0.85	0.87
				3	44	0.74	0.87
				1	123	19.67	1.06
			GOLDEN REDHORSE ORANGESPOTTED SUNFISH	1	81	9.47	1.78
				2	68	4.88	1.55
			BLUEGILL	1	72	5.96	1.60

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	A	08 04 86	BLUEGILL	2	72	6.07	1.63
			LONGEAR SUNFISH	1	88	13.85	2.03
				2	83	10.40	1.82
				3	63	4.30	1.72
				4	66	4.82	1.68
				5	54	2.48	1.57
	B		LONGNOSE GAR STRIPED SHINER	1	79	0.54	0.11
				1	35	0.31	0.72
				2	36	0.36	0.77
				3	34	0.29	0.74
				4	33	0.27	0.75
				5	33	0.27	0.75
				6	33	0.25	0.70
				7	33	0.28	0.78
				8	35	0.34	0.79
				9	32	0.24	0.73
				10	37	0.35	0.69
				11	35	0.29	0.68
				12	32	0.22	0.67
				13	33	0.25	0.70
				14	34	0.30	0.76
				15	31	0.18	0.60
				16	33	0.26	0.72
				17	31	0.21	0.70
				18	26	0.13	0.74
				19	30	0.16	0.59
				20	31	0.17	0.57
				21	30	0.18	0.67
				22	27	0.16	0.81
				23	31	0.21	0.70
			BLUNTNOSE MINNOW	1	44	0.65	0.76
				2	47	0.80	0.77
				3	43	0.60	0.75
				4	46	0.72	0.74
				5	26	0.10	0.57
			GOLDEN REDHORSE	1	124	21.37	1.12

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6L	B	08 04 86	GOLDEN REDHORSE BLACKSTRIPE TOPMINNOW	2	113	15.70
				1	35	0.27
			BROOK SILVERSIDE	2	21	0.05
				1	41	0.23
			BLUEGILL	2	38	0.16
				3	36	0.15
			BLUEGILL	4	33	0.11
				1	58	2.96
			LONGEAR SUNFISH	2	57	2.60
				3	29	0.28
			GRASS PICKEREL	1	67	5.16
				2	66	5.10
			BLUNTNOSE MINNOW BLACKSTRIPE TOPMINNOW	1	218	50.00
				2	101	4.66
6R	A	08 04 86	ROCK BASS	1	79	3.16
				1	40	0.45
			GREEN SUNFISH	2	33	0.20
				3	26	0.12
			ORANGESPOTTED SUNFISH	4	24	0.09
				1	117	32.00
			LONGEAR SUNFISH	1	162	78.00
				1	28	0.19
			GRASS PICKEREL	1	104	28.00
				1	106	5.53
			BLUNTNOSE MINNOW	1	55	1.24
				2	30	0.14
			BLACKSTRIPE TOPMINNOW	1	61	1.95
				2	43	0.56
6R	A	08 04 86	ROCK BASS	1	114	26.00
				2	108	24.00
			BLUEGILL	1	79	8.52
				2	77	7.73
			LONGEAR SUNFISH	3	64	4.28
				1	117	30.00
			HORNYHEAD CHUB	1	29	0.19
				1	50	1.02
			SPOTFIN SHINER	1	50	1.02
				1	50	1.02
			SPOTFIN SHINER	1	50	1.02
				1	50	1.02
			SPOTFIN SHINER	1	50	1.02
				1	50	1.02
			SPOTFIN SHINER	1	50	1.02
				1	50	1.02

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6R	A	08 04 86	SPOTFIN SHINER	2	44	0.67
				3	69	2.97
				4	66	2.56
				5	51	1.13
				6	55	1.37
				7	48	0.86
				8	46	0.72
				9	40	0.49
			SAND SHINER	1	49	0.80
				2	43	0.68
				3	46	0.72
				4	45	0.83
				5	44	0.92
				6	42	0.57
				7	40	0.53
				1	52	1.28
			MIMIC SHINER	1	40	0.51
			SUCKERMOUTH MINNOW	1	62	1.94
			BLUNTNOSE MINNOW	2	48	0.87
				3	63	1.93
				4	63	2.29
				5	51	1.02
				6	52	1.11
				7	42	0.66
				8	39	0.49
				9	24	0.83
				10	22	0.05
				1	36	0.32
			STRIPED SHINER	1	47	0.69
			SAND SHINER	1	47	0.86
				3	47	0.68
				2	22	0.06
				4	21	0.04
				1	44	0.43
			MIMIC SHINER	1	44	0.65
			JOHNNY DARTER	1	32	0.61
			SPOTFIN SHINER	1	52	1.20
			SAND SHINER	1	37	1.15
				1	37	0.40
						0.79
						0.90
						0.89
						0.85
						0.82
						0.78
						0.74
						0.77
						0.80
						0.86
						0.74
						0.83
						0.92
						0.77
						0.83
						0.91
						0.80
						0.81
						0.79
						0.77
						0.92
						0.77
						1.02
						1.11
						0.66
						0.49
						0.83
						0.58
						0.47
						0.69
						0.86
						0.68
						0.71
						0.06
						0.56
						0.43
						0.65
						0.61
						1.20
						1.15
						0.82
						0.79
						0.40
						0.79
						0.90
						0.89
						0.85
						0.82
						0.78
						0.74
						0.77
						0.80
						0.86
						0.74
						0.83
						0.92
						0.77

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6R	C	08 12 86	SAND SHINER BLUNTNOSE MINNOW	2	31	0.22	0.74
				1	60	2.16	1.00
				2	69	3.48	1.06
				3	62	2.45	1.03
				4	59	1.78	0.87
				5	52	1.40	1.00
				6	53	1.57	1.05
				7	55	1.51	0.91
				8	52	1.16	0.82
				9	49	1.05	0.89
				10	46	0.88	0.90
				11	41	0.54	0.78
				12	46	0.79	0.81
				13	48	0.97	0.88
				14	44	0.74	0.87
				15	41	0.58	0.84
				16	42	0.64	0.86
				17	44	0.62	0.73
				18	36	0.34	0.67
				19	33	0.24	0.73
				20	36	0.34	0.70
				21	31	0.21	0.63
				22	30	0.17	0.64
				23	32	0.21	0.60
				24	31	0.18	0.57
				25	29	0.14	0.86
				26	65	2.37	0.92
				27	65	2.52	0.94
				28	62	2.24	0.88
				29	65	2.42	0.90
				30	60	1.95	1.05
				31	62	2.50	0.99
				32	58	1.94	0.82
				33	64	2.16	0.95
				34	56	1.67	0.81
				35	55	1.34	



APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID LENGTH NO. (MM)	WEIGHT (G)	KTL
6R	C	08 12 86	BLUNTNOSE MINNOW	36 53	1.27	0.85
				37 51	1.31	0.99
				38 46	0.69	0.71
				39 70	3.14	0.92
				40 57	1.56	0.84
				41 66	1.96	0.68
			BULLHEAD MINNOW	1 57	1.83	0.99
				2 56	1.84	1.05
			BLACKSTRIPE TOPMINNOW	1 25	0.10	0.64
			ROCK BASS	1 102	23.00	2.17
			GREEN SUNFISH	1 19	0.09	1.31
				2 17	0.05	1.02
			LONGEAR SUNFISH	1 121	35.00	1.98
				2 110	31.00	2.33
			CENTRAL STONEROLLER	1 45	0.82	0.90
	D		EMERALD SHINER	1 21	0.05	0.54
			STRIPED SHINER	1 24	0.10	0.72
			ROSYFACE SHINER	1 17	0.03	0.61
				2 20	0.07	0.87
				3 15	0.03	0.89
				4 16	0.03	0.73
			SPOTFIN SHINER	1 21	0.06	0.65
				2 21	0.07	0.76
			SAND SHINER	1 14	0.02	0.73
				2 16	0.05	1.22
				3 17	0.05	1.02
				4 16	0.04	0.98
				5 23	0.05	0.41
				6 24	0.11	0.80
				7 24	0.13	0.94
				8 28	0.21	0.96
				9 28	0.18	0.82
				10 26	0.16	0.91
				11 29	0.22	0.90
				12 29	0.24	0.98
				13 29	0.21	0.86

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE  
DURING AUGUST 1986 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6R	D	08 12 86	SAND SHINER	14	28	0.17	0.77
				15	30	0.23	0.85
				16	29	0.19	0.78
				17	31	0.26	0.87
				18	40	0.55	0.86
				19	46	1.00	1.03
				20	66	2.54	0.88
				1	56	1.66	0.95
				2	55	1.42	0.85
				3	48	0.95	0.86
				4	49	1.06	0.90
				5	53	1.56	1.05
				6	44	0.80	0.94
				7	47	0.95	0.92
				8	48	1.03	0.93
				9	49	1.02	0.87
				10	42	0.68	0.92
				11	43	0.74	0.93
				12	32	0.27	0.82
				13	29	0.18	0.74
				14	28	0.15	0.68
				15	27	0.13	0.66
				16	25	0.12	0.77
				17	24	0.09	0.65
				18	62	2.17	0.91
				19	50	0.96	0.77
				20	53	1.31	0.88
				21	47	1.01	0.97
				22	47	0.79	0.76
				23	42	0.49	0.66
				24	35	0.32	0.75
				1	15	0.04	1.19
			BLUNTNOST MINNOW				
			GREEN SUNFISH				

APPENDIX D-1. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1979	1	0.5	28.00	0.1	1	0.7	11.67	12.9	39.67
1981	1	0.4	1.00	0.0	0	0.0	0.00	0.0	1.00
1985	1	0.3	28.00	0.1	0	0.0	0.00	0.0	28.00
TOTAL	3	0.4	57.00	0.0	1	0.1	11.67	1.4	68.67
<b>GIZZARD SHAD</b>									
1977	5	1.2	144.76	0.3	0	0.0	0.00	0.0	144.76
1978	69	23.3	475.40	2.4	0	0.0	0.00	0.0	475.40
1979	0	0.0	0.00	0.0	1	0.7	0.40	0.4	0.40
1981	1	0.4	265.00	0.4	0	0.0	0.00	0.0	265.00
1982	3	3.0	184.83	0.5	0	0.0	0.00	0.0	184.83
1983	1	0.7	240.00	0.6	0	0.0	0.00	0.0	240.00
1986	1	0.4	3.87	0.0	0	0.0	0.00	0.0	3.87
TOTAL	80	4.8	1313.86	0.5	1	0.1	0.40	0.0	1314.26
<b>GRASS PICKEREL</b>									
1977	1	0.2	53.00	0.1	0	0.0	0.00	0.0	53.00
1985	1	0.3	150.00	0.4	0	0.0	0.00	0.0	150.00
1986	1	0.4	6.21	0.0	0	0.0	0.00	0.0	6.21
TOTAL	3	0.3	209.21	0.2	0	0.0	0.00	0.0	209.21
<b>NORTHERN PIKE</b>									
1977	1	0.2	58.00	0.1	0	0.0	0.00	0.0	58.00
1978	1	0.3	530.00	2.7	0	0.0	0.00	0.0	530.00
1979	1	0.5	41.00	0.2	0	0.0	0.00	0.0	41.00
1981	1	0.4	682.00	1.1	0	0.0	0.00	0.0	682.00
1983	1	0.7	1230.00	2.9	0	0.0	0.00	0.0	1230.00
TOTAL	5	0.4	2541.00	1.3	0	0.0	0.00	0.0	2541.00
<b>CENTRAL STONEROLLER</b>									
1986	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1.02
TOTAL	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1.02
<b>CARP</b>									
1977	12	2.8	8267.79	16.4	2	0.2	49.93	6.2	8317.72
1978	3	1.0	2003.00	10.2	0	0.0	0.00	0.0	2003.00
1979	2	1.0	3960.00	15.8	0	0.0	0.00	0.0	3960.00
1981	11	4.1	5090.00	8.0	0	0.0	0.00	0.0	5090.00
1982	2	2.0	1315.00	3.6	0	0.0	0.00	0.0	1315.00
1983	9	6.7	3201.14	7.7	0	0.0	0.00	0.0	3201.14
1984	1	0.6	590.00	1.5	0	0.0	0.00	0.0	590.00
1985	1	0.3	4082.00	11.2	0	0.0	0.00	0.0	4082.00
1986	1	0.4	3084.00	12.5	0	0.0	0.00	0.0	3084.00
TOTAL	42	1.9	31592.93	9.3	2	0.1	49.93	2.3	31642.86

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
SILVERJAW MINNOW	1978	0	0.0	0.0	0.0	0.0	1	0.2	0.51
1979	0	0.0	0.00	0.0	0.0	0.29	1	0.3	0.29
TOTAL	0	0.0	0.00	0.0	0.0	0.80	2	0.3	0.80
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	0.2	2	0.1	1.51
1979	0	0.0	0.00	0.0	0.0	1.38	3	0.9	1.38
1984	0	0.0	0.00	0.0	0.0	0.34	1	0.4	0.34
1985	0	0.0	0.00	0.0	0.0	2.35	3	0.3	2.35
TOTAL	0	0.0	0.00	0.0	0.0	5.58	9	0.3	5.58
PALLID CHUB	1986	0	0.0	0.00	0.0	0.40	2	0.6	0.40
TOTAL	0	0.0	0.00	0.0	0.0	0.40	2	0.6	0.40
GOLDEN SHINER	1981	1	0.4	11.00	0.0	0.00	0	0.3	11.00
TOTAL	1	0.4	11.00	0	0.0	0.00	1	0.3	11.00
EMERALD SHINER	1977	1	0.2	3.87	0.0	0.00	1	0.1	3.87
1984	2	1.2	7.42	0.0	0.0	0.00	2	0.7	7.42
TOTAL	3	0.5	11.29	0	0.0	0.00	3	0.2	11.29
STRIPED SHINER	1977	0	0.0	0.00	0.0	16.50	26	1.6	16.50
1978	1	0.3	4.61	0.0	0.0	1.32	5	1.2	5.93
1979	0	0.0	0.00	0.0	0.0	10.02	44	13.1	10.02
1982	0	0.0	0.00	0.0	0.0	3.23	2	1.6	3.23
1983	0	0.0	0.00	0.0	0.0	4.18	12	7.1	4.18
1984	0	0.0	0.00	0.0	0.0	1.52	4	1.5	1.52
1985	4	1.0	2.57	0.0	0.0	18.82	35	3.6	21.39
1986	1	0.4	8.67	0.0	0.0	3.26	4	1.3	11.93
TOTAL	6	0.3	15.85	0	0.0	58.85	132	3.1	74.70
RED SHINER	1985	0	0.0	0.00	0.0	0.77	1	0.1	0.77
TOTAL	0	0.0	0.00	0	0.0	0.77	1	0.1	0.77

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>ROSYFACE SHINER</b>									
1977	10	2.3	5.61	18	1.5	7.44	28	1.7	13.05
1978	1	0.3	4.20	84	74.3	37.33	85	20.8	41.53
1979	0	0.0	0.00	3	2.2	0.75	3	0.9	0.75
1982	1	1.0	0.73	0	0.0	0.00	1	0.8	0.73
1983	0	0.0	0.00	1	2.9	0.30	1	0.6	0.30
1985	0	0.0	0.00	50	8.5	10.04	50	5.1	10.04
1986	6	2.4	7.57	0	0.0	0.00	6	1.9	7.57
TOTAL	18	1.0	18.11	156	7.3	55.86	174	4.4	73.97
<b>SPOTFIN SHINER</b>									
1977	24	5.6	112.09	191	16.1	167.59	215	13.3	279.68
1978	18	6.1	69.37	2	1.8	5.39	20	4.9	74.76
1979	1	0.5	3.80	55	40.1	40.95	56	16.7	44.75
1981	9	3.3	32.23	20	22.7	18.54	29	8.1	50.77
1982	4	4.0	15.16	4	16.7	17.79	8	6.5	32.95
1983	3	2.2	7.69	18	52.9	29.21	21	12.5	36.90
1984	12	7.5	32.19	95	88.8	136.26	107	39.9	168.45
1985	26	6.8	113.24	142	24.1	81.02	168	17.3	194.26
1986	12	4.8	25.03	5	7.5	9.73	17	5.3	34.76
TOTAL	109	4.9	410.80	532	22.7	506.48	641	14.0	917.28
<b>SAND SHINER</b>									
1977	2	0.5	1.95	142	12.0	62.60	144	8.9	64.55
1978	0	0.0	0.00	2	1.8	2.08	2	0.5	2.08
1979	0	0.0	0.00	14	10.2	5.68	14	4.2	5.68
1981	0	0.0	0.00	1	1.1	0.62	1	0.3	0.62
1982	0	0.0	0.00	4	16.7	1.35	4	3.2	1.35
1984	0	0.0	0.00	1	0.9	0.55	1	0.4	0.55
1985	1	0.3	0.94	42	7.1	10.92	43	4.4	11.86
1986	2	0.8	2.84	4	6.0	3.11	6	1.9	5.95
TOTAL	5	0.2	5.73	210	9.1	86.91	215	4.9	92.64
<b>REDFIN SHINER</b>									
1984	0	0.0	0.00	1	0.9	1.10	1	0.4	1.10
TOTAL	0	0.0	0.00	1	0.9	1.10	1	0.4	1.10

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
MIMIC SHINER	1977	0	0.0	0.00	0.0	0.0	1	0.1	0.09
	1982	0	0.0	0.00	0.0	0.0	3	2.4	3.34
	TOTAL	0	0.0	0.00	0.0	0.0	4	0.2	3.43
SUCKERMOUTH MINNOW	1981	0	0.0	0.00	0.0	0.0	2	0.6	0.58
	1982	0	0.0	0.00	0.0	0.0	2	1.6	2.07
	1985	0	0.0	0.00	0.0	0.0	1	0.1	0.99
	1986	0	0.0	0.00	0.0	0.0	1	0.3	0.32
	TOTAL	0	0.0	0.00	0.0	0.0	6	0.3	3.96
BLUNTNOSE MINNOW	1977	7	1.6	25.22	0.1	92.79	271	16.8	118.01
	1978	7	2.4	17.12	0.1	0.37	8	2.0	17.49
	1979	8	4.0	24.12	0.1	3.78	12	3.6	27.90
	1981	2	0.7	8.53	0.0	14.14	18	5.0	22.67
	1982	2	2.0	3.31	0.0	3.54	5	4.0	6.85
	1983	2	1.5	5.56	0.0	0.00	2	1.2	5.56
	1984	3	1.9	4.37	0.0	1.46	4	1.5	5.83
	1985	21	5.5	55.48	0.2	156.73	252	26.0	212.21
	1986	18	7.1	28.59	0.1	40.15	57	17.9	68.74
	TOTAL	70	3.2	172.30	0.1	312.96	629	13.8	485.26
BULLHEAD MINNOW	1977	32	7.5	75.06	0.1	102.26	144	8.9	177.32
	1978	1	0.3	2.78	0.0	0.00	1	0.2	2.78
	1979	2	1.0	5.75	0.0	0.00	2	0.6	5.75
	1981	1	0.4	8.00	0.0	7.70	12	3.4	15.70
	1982	0	0.0	0.00	0.0	0.18	1	0.8	0.18
	1984	3	1.9	12.19	0.0	1.10	4	1.5	13.29
	1985	2	0.5	12.44	0.0	12.29	9	0.9	24.73
	1986	1	0.4	1.87	0.0	0.00	1	0.3	1.87
	TOTAL	42	2.0	118.09	0.0	123.53	174	4.0	241.62
CREEK CHUB	1982	0	0.0	0.00	0.0	0.54	1	0.8	0.54
	TOTAL	0	0.0	0.00	0.0	0.54	1	0.8	0.54

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	---ELECTROFISHING---			---SEINING---			---TOTAL---		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	0	0.0	0.00	344	21.3	24.79
1983	0	0.0	0.00	1	2.9	0.07	1	0.6	0.07
TOTAL	0	0.0	0.00	345	28.3	24.86	345	19.4	24.86
<b>RIVER CARPSUCKER</b>									
1977	0	0.0	0.00	1	0.1	2.15	1	0.1	2.15
TOTAL	0	0.0	0.00	1	0.1	2.15	1	0.1	2.15
<b>QUILLBACK</b>									
1977	2	0.5	412.48	0	0.0	0.00	2	0.1	412.48
1978	3	1.0	2215.00	0	0.0	0.00	3	0.7	2215.00
1979	3	1.5	1065.00	0	0.0	0.00	3	0.9	1065.00
1981	4	1.5	1520.00	0	0.0	0.00	4	1.1	1520.00
1982	1	1.0	320.00	0	0.0	0.00	1	0.8	320.00
1983	17	12.7	9194.00	0	0.0	0.00	17	10.1	9194.00
1984	11	6.8	6605.00	0	0.0	0.00	11	4.1	6605.00
1985	8	2.1	2973.00	0	0.0	0.00	8	0.8	2973.00
1986	2	0.8	1320.00	0	0.0	0.00	2	0.6	1320.00
TOTAL	51	2.3	25624.48	0	0.0	0.00	51	1.1	25624.48
<b>WHITE SUCKER</b>									
1979	2	1.0	741.00	0	0.0	0.00	2	0.6	741.00
1981	1	0.4	500.00	0	0.0	0.00	1	0.3	500.00
1983	3	2.2	1255.00	0	0.0	0.00	3	1.8	1255.00
1985	1	0.3	151.00	0	0.0	0.00	1	0.1	151.00
TOTAL	7	0.7	2647.00	0	0.0	0.00	7	0.4	2647.00
<b>NORTHERN HOGSUCKER</b>									
1977	1	0.2	324.00	0	0.0	0.00	1	0.1	324.00
1978	1	0.3	625.00	0	0.0	0.00	1	0.2	625.00
1979	3	1.5	1088.00	0	0.0	0.00	3	0.9	1088.00
1981	2	0.7	1710.00	0	0.0	0.00	2	0.6	1710.00
1982	3	3.0	1080.00	0	0.0	0.00	3	2.4	1080.00
1983	6	4.5	1149.00	0	0.0	0.00	6	3.6	1149.00
1984	7	4.3	3042.00	0	0.0	0.00	7	2.6	3042.00
1985	3	0.8	1038.82	0	0.0	0.00	3	0.3	1038.82
1986	5	2.0	948.00	0	0.0	0.00	5	1.6	948.00
TOTAL	31	1.4	11004.82	0	0.0	0.00	31	0.7	11004.82

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SMALLMOUTH BUFFALO	1977	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
	TOTAL	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
	1983	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
BIGMOUTH BUFFALO	TOTAL	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
SPOTTED SUCKER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	TOTAL	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	1977	7	1.6	1311.00	2.6	2	0.2	9.86	1.2	9	0.6	1320.86	2.6
SILVER REDHORSE	1978	5	1.7	3119.00	15.9	0	0.0	0.00	0.0	5	1.2	3119.00	15.9
	1979	9	4.5	4927.00	19.7	2	1.5	3.00	3.3	11	3.3	4930.00	19.6
	1981	17	6.3	10965.00	17.2	0	0.0	0.00	0.0	17	4.7	10965.00	17.1
	1982	17	7.0	15116.00	41.6	0	0.0	0.00	0.0	17	13.7	15116.00	41.6
	1983	6	4.5	5045.00	12.1	0	0.0	0.00	0.0	6	3.6	5045.00	12.1
	1984	12	7.5	14195.00	35.5	0	0.0	0.00	0.0	12	4.5	14195.00	35.3
	1986	1	0.4	55.00	0.2	0	0.0	0.00	0.0	1	0.3	55.00	0.2
	TOTAL	74	4.0	54733.00	18.2	4	0.2	12.86	0.8	78	2.2	54745.86	18.1
	1977	23	5.4	1519.00	3.0	0	0.0	0.00	0.0	23	1.4	1519.00	3.0
RIVER REDHORSE	1978	1	0.3	144.00	0.7	0	0.0	0.00	0.0	1	0.2	144.00	0.7
	1979	12	6.1	287.00	1.1	0	0.0	0.00	0.0	12	3.6	287.00	1.1
	1981	4	1.5	502.00	0.8	0	0.0	0.00	0.0	4	1.1	502.00	0.8
	1982	1	1.0	880.00	2.4	0	0.0	0.00	0.0	1	0.8	880.00	2.4
	1983	1	0.7	46.00	0.1	0	0.0	0.00	0.0	1	0.6	46.00	0.1
	1984	1	0.6	35.00	0.1	0	0.0	0.00	0.0	1	0.4	35.00	0.1
	1985	1	0.3	64.00	0.2	0	0.0	0.00	0.0	1	0.1	64.00	0.2
	1986	34	13.5	2063.61	8.3	1	1.5	21.00	9.1	35	11.0	2084.61	8.4
	TOTAL	78	3.5	5540.61	1.6	1	0.0	21.00	1.0	79	1.7	5561.61	1.6
	1985	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7
BLACK REDHORSE	TOTAL	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7



APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
GOLDEN REDHORSE	1977	75	17.6	18989.61	37.7	1	0.1	55.00	6.9	76	4.7	19044.61	37.3
	1978	25	8.4	2310.00	11.8	0	0.0	0.00	0.0	25	6.1	2310.00	11.8
	1979	17	8.6	3771.00	15.1	0	0.0	0.00	0.0	17	5.1	3771.00	15.0
	1981	50	18.5	5266.80	8.3	0	0.0	0.00	0.0	50	14.0	5266.80	8.2
	1982	20	20.0	7025.00	19.3	0	0.0	0.00	0.0	20	16.1	7025.00	19.3
	1983	30	22.4	10257.00	24.5	0	0.0	0.00	0.0	30	17.9	10257.00	24.5
	1984	58	36.0	9860.92	24.6	0	0.0	0.00	0.0	58	21.6	9860.92	24.5
	1985	33	8.6	3791.24	10.4	27	4.6	60.66	13.0	60	6.2	3851.90	10.4
	1986	70	27.8	8978.77	36.3	4	6.0	37.40	16.3	74	23.2	9016.17	36.1
	TOTAL	378	17.0	70250.34	20.8	32	1.4	153.06	7.1	410	9.0	70403.40	20.7
SHORTHEAD REDHORSE	1977	70	16.4	9553.81	19.0	0	0.0	0.00	0.0	70	4.3	9553.81	18.7
	1978	24	8.1	867.00	4.4	0	0.0	0.00	0.0	24	5.9	867.00	4.4
	1979	3	1.5	164.00	0.7	0	0.0	0.00	0.0	3	0.9	164.00	0.7
	1981	58	21.5	23050.00	36.2	0	0.0	0.00	0.0	58	16.2	23050.00	36.1
	1982	7	7.0	4290.00	11.8	0	0.0	0.00	0.0	7	5.6	4290.00	11.8
	1983	3	2.2	574.00	1.4	0	0.0	0.00	0.0	3	1.8	574.00	1.4
	1984	6	3.7	313.00	0.8	0	0.0	0.00	0.0	6	2.2	313.00	0.8
	1985	7	1.8	2239.57	6.1	4	0.7	6.77	1.5	11	1.1	2246.34	6.1
	1986	13	5.2	1851.30	7.5	0	0.0	0.00	0.0	13	4.1	1851.30	7.4
	TOTAL	191	8.6	42902.68	12.7	4	0.2	6.77	0.3	195	4.3	42909.45	12.6
UNIDENTIFIED REDHORSE	1977	9	2.1	21.79	0.0	11	0.9	20.19	2.5	20	1.2	41.98	0.1
	1978	1	0.3	1.09	0.0	7	6.2	4.63	7.5	8	2.0	5.72	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.23	0.3	1	0.3	0.23	0.0
	1981	0	0.0	0.00	0.0	15	17.0	5.09	2.0	15	4.2	5.09	0.0
TOTAL	10	0.8	22.88	0.0	34	2.2	30.14	2.5	44	1.6	53.02	0.0	
YELLOW BULLHEAD	1985	2	0.5	242.00	0.7	0	0.0	0.00	0.0	2	0.2	242.00	0.7
	1986	1	0.4	30.00	0.1	0	0.0	0.00	0.0	1	0.3	30.00	0.1
	TOTAL	3	0.5	272.00	0.4	0	0.0	0.00	0.0	3	0.2	272.00	0.4
CHANNEL CATFISH	1977	3	0.7	309.00	0.6	0	0.0	0.00	0.0	3	0.2	309.00	0.6
	1978	1	0.3	435.00	2.2	0	0.0	0.00	0.0	1	0.2	435.00	2.2
	1979	3	1.5	768.00	3.1	0	0.0	0.00	0.0	3	0.9	768.00	3.1
	1981	3	1.1	3040.00	4.8	1	1.1	0.22	0.1	4	1.1	3040.22	4.8
	1986	1	0.4	380.00	1.5	0	0.0	0.00	0.0	1	0.3	380.00	1.5
	TOTAL	11	0.8	4932.00	2.7	1	0.1	0.22	0.0	12	0.4	4932.22	2.7

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>STONECAT</b>									
1977	3	0.7	53.00	0	0.0	0.00	3	0.2	53.00
1978	2	0.7	33.00	0	0.0	0.00	2	0.5	33.00
1981	1	0.4	40.00	0	0.0	0.00	1	0.3	40.00
1984	1	0.6	19.00	0	0.0	0.00	1	0.4	19.00
1985	1	0.3	19.46	0	0.0	0.00	1	0.1	19.46
TOTAL	8	0.5	164.46	0	0.0	0.00	8	0.2	164.46
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	0	0.0	0.00	1	0.1	0.40	1	0.1	0.40
1985	0	0.0	0.00	1	0.2	0.01	1	0.1	0.01
TOTAL	0	0.0	0.00	2	0.1	0.41	2	0.1	0.41
<b>BROOK SILVERSIDE</b>									
1977	0	0.0	0.00	8	0.7	4.77	8	0.5	4.77
1985	0	0.0	0.00	8	1.4	1.98	8	0.8	1.98
TOTAL	0	0.0	0.00	16	0.9	6.75	16	0.6	6.75
<b>ROCK BASS</b>									
1977	39	9.2	2171.91	8	0.7	64.90	47	2.9	2236.81
1978	20	6.8	742.00	0	0.0	0.00	20	4.9	742.00
1979	24	12.1	1576.00	0	0.0	0.00	24	7.2	1576.00
1981	32	11.9	3460.00	0	0.0	0.00	32	8.9	3460.00
1982	8	8.0	540.00	0	0.0	0.00	8	6.5	540.00
1983	8	6.0	861.00	0	0.0	0.00	8	4.8	861.00
1984	5	3.1	655.00	0	0.0	0.00	5	1.9	655.00
1985	93	24.3	4144.49	0	0.0	0.00	93	9.6	4144.49
1986	20	7.9	2197.65	1	1.5	96.00	21	6.6	2293.65
TOTAL	249	11.2	16348.05	9	0.4	160.90	258	5.7	16508.95
<b>GREEN SUNFISH</b>									
1977	8	1.9	91.42	3	0.3	27.52	11	0.7	118.94
1978	9	3.0	157.00	0	0.0	0.00	9	2.2	157.00
1979	9	4.5	207.00	0	0.0	0.00	9	2.7	207.00
1981	6	2.2	137.00	0	0.0	0.00	6	1.7	137.00
1982	1	1.0	30.00	0	0.0	0.00	1	0.8	30.00
1983	1	0.7	11.00	0	0.0	0.00	1	0.6	11.00
1984	2	1.2	43.00	0	0.0	0.00	2	0.7	43.00
1985	15	3.9	317.01	0	0.0	0.00	15	1.5	317.01
TOTAL	51	2.6	993.43	3	0.1	27.52	54	1.3	1020.95

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
ORANGESPOTTED SUNFISH												
1979	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
1981	3	1.1	14.00	0.0	4	4.5	14.29	5.7	7	2.0	28.29	0.0
1982	0	0.0	0.00	0.0	1	4.2	0.21	0.6	1	0.8	0.21	0.0
1985	8	2.1	37.42	0.1	0	0.0	0.00	0.0	8	0.8	37.42	0.1
1986	4	1.6	31.31	0.1	0	0.0	0.00	0.0	4	1.3	31.31	0.1
TOTAL	16	1.3	91.73	0.0	5	0.6	14.50	1.3	21	1.0	106.23	0.1
BLUEGILL												
1977	0	0.0	0.00	0.0	13	1.1	1.92	0.2	13	0.8	1.92	0.0
1978	10	3.4	91.00	0.5	0	0.0	0.00	0.0	10	2.4	91.00	0.5
1981	0	0.0	0.00	0.0	1	1.1	2.72	1.1	1	0.3	2.72	0.0
1985	0	0.0	0.00	0.0	25	4.3	2.71	0.6	25	2.6	2.71	0.0
1986	2	0.8	26.00	0.1	0	0.0	0.00	0.0	2	0.6	26.00	0.1
TOTAL	12	0.7	117.00	0.1	39	1.9	7.35	0.4	51	1.4	124.35	0.1
NORTHERN LONGEAR SUNFISH												
1977	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
TOTAL	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
LONGEAR SUNFISH												
1977	7	1.6	87.83	0.2	9	0.8	3.25	0.4	16	1.0	91.08	0.2
1978	38	12.8	745.64	3.8	0	0.0	0.00	0.0	38	9.3	745.64	3.8
1979	39	19.7	665.03	2.7	0	0.0	0.00	0.0	39	11.6	665.03	2.6
1981	17	6.3	448.00	0.7	2	2.3	2.45	1.0	19	5.3	450.45	0.7
1982	3	3.0	90.00	0.2	0	0.0	0.00	0.0	3	2.4	90.00	0.2
1983	2	1.5	53.00	0.1	0	0.0	0.00	0.0	2	1.2	53.00	0.1
1985	28	7.3	488.29	1.3	2	0.3	43.25	9.3	30	3.1	531.54	1.4
1986	16	6.3	221.72	0.9	1	1.5	2.68	1.2	17	5.3	224.40	0.9
TOTAL	150	7.3	2799.51	0.9	14	0.6	51.63	2.6	164	3.8	2851.14	1.0
GREEN SUNFISH HYBRID												
1981	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
TOTAL	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
UNIDENTIFIED SUNFISH												
1981	0	0.0	0.00	0.0	1	1.1	0.08	0.0	1	0.3	0.08	0.0
1982	0	0.0	0.00	0.0	1	4.2	0.05	0.1	1	0.8	0.05	0.0
TOTAL	0	0.0	0.00	0.0	2	1.8	0.13	0.0	2	0.4	0.13	0.0

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
<b>SMALLMOUTH BASS</b>									
1977	51	12.0	5357.10	10.6	2	0.2	11.75	1.5	5368.85
1978	51	17.2	4993.47	25.5	0	0.0	0.00	0.0	4993.47
1979	51	25.8	5504.84	22.0	1	0.7	3.95	4.4	5508.79
1981	32	11.9	5066.00	8.0	2	2.3	11.43	4.6	5077.43
1982	27	27.0	5452.00	15.0	2	8.3	5.74	15.1	5457.74
1983	39	29.1	5150.72	12.3	0	0.0	0.00	0.0	5150.72
1984	36	22.4	4576.00	11.4	1	0.9	42.00	22.7	4618.00
1985	124	32.4	15825.92	43.5	12	2.0	55.69	12.0	15881.61
1986	38	15.1	3422.43	13.8	1	1.5	12.69	5.5	3435.12
TOTAL	449	20.2	55346.48	16.4	21	0.9	143.25	6.6	55491.73
<b>LARGEMOUTH BASS</b>									
1977	5	1.2	137.00	0.3	1	0.1	14.62	1.8	151.62
1978	3	1.0	10.53	0.1	2	1.8	5.53	8.9	16.06
1979	2	1.0	16.80	0.1	1	0.7	2.56	2.8	19.36
1981	2	0.7	365.00	0.6	0	0.0	0.00	0.0	365.00
1983	1	0.7	95.00	0.2	0	0.0	0.00	0.0	95.00
1986	1	0.4	19.00	0.1	0	0.0	0.00	0.0	19.00
TOTAL	14	0.9	643.33	0.3	4	0.2	22.71	1.5	666.04
<b>WHITE CRAPPIE</b>									
1977	0	0.0	0.00	0.0	6	0.5	2.69	0.3	2.69
1978	0	0.0	0.00	0.0	4	3.5	2.76	4.5	2.76
1979	2	1.0	101.00	0.4	2	1.5	1.92	2.1	102.92
1981	7	2.6	877.00	1.4	4	4.5	166.00	66.1	1043.00
1984	1	0.6	43.00	0.1	0	0.0	0.00	0.0	43.00
TOTAL	10	0.7	1021.00	0.5	16	1.0	173.37	12.5	1194.37
<b>BLACK CRAPPIE</b>									
1977	3	0.7	49.03	0.1	16	1.3	54.34	6.8	103.37
1979	1	0.5	31.00	0.1	4	2.9	3.58	4.0	34.58
1981	2	0.7	237.00	0.4	8	9.1	7.11	2.8	244.11
TOTAL	6	0.7	317.03	0.2	28	2.0	65.03	5.7	382.06
<b>JOHNNY DARTER</b>									
1977	1	0.2	1.16	0.0	3	0.3	1.75	0.2	2.91
1978	0	0.0	0.00	0.0	6	5.3	1.99	3.2	1.99
1983	0	0.0	0.00	0.0	2	5.9	0.64	1.9	0.64
1984	0	0.0	0.00	0.0	2	1.9	0.63	0.7	0.63
1986	0	0.0	0.00	0.0	4	6.0	1.04	0.5	1.04
TOTAL	1	0.1	1.16	0.0	17	1.1	6.05	0.5	7.21

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLACKSIDE DARTER	1978	1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
	TOTAL	1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	1	0.2	0.80	0.2	1	0.1	0.80	0.0
	1986	0	0.0	0.00	0.0	1	1.5	1.96	0.9	1	0.3	1.96	0.0
TOTAL		0	0.0	0.00	0.0	2	0.3	2.76	0.4	2	0.2	2.76	0.0
WALLEYE	1977	6	1.4	337.00	0.7	0	0.0	0.00	0.0	6	0.4	337.00	0.7
	1979	2	1.0	59.00	0.2	0	0.0	0.00	0.0	2	0.6	59.00	0.2
1981	1	0.4	382.00	0.6	0	0.0	0.00	0.0	1	0.3	382.00	0.6	
TOTAL		9	1.0	778.00	0.6	0	0.0	0.00	0.0	9	0.4	778.00	0.6

APPENDIX D-2. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
LONGNOSE GAR	1977	1	0.6	0	0.0	0.0	1	0.1	81.00
	1979	1	1.4	0	0.0	0.0	1	0.4	1940.00
	1985	1	0.5	0	0.0	0.0	1	0.1	15.00
	1986	1	0.5	0	0.0	0.0	1	0.4	2.00
	TOTAL	4	0.6	0	0.0	0.0	4	0.2	2038.00
GIZZARD SHAD	1977	1	0.6	0	0.0	0.0	1	0.1	30.00
	1978	74	50.7	0	0.0	0.0	74	35.1	489.68
	1981	2	1.6	0	0.0	0.0	2	1.1	10.64
	1985	5	2.3	0	0.0	0.0	5	0.7	50.20
	1986	7	3.6	0	0.0	0.0	7	2.6	882.10
	TOTAL	89	10.5	0	0.0	0.0	89	3.8	1462.62
GRASS PICKEREL	1981	1	0.8	0	0.0	0.0	1	0.6	64.00
	1984	3	1.5	0	0.0	0.0	3	1.2	36.00
	1985	1	0.5	0	0.0	0.0	1	0.1	66.00
	1986	2	1.0	0	0.0	0.0	2	0.8	31.00
	TOTAL	7	1.0	0	0.0	0.0	7	0.5	197.00
NORTHERN PIKE	1981	1	0.8	0	0.0	0.0	1	0.6	860.00
	1982	1	1.8	0	0.0	0.0	1	1.4	1702.00
	1986	1	0.5	0	0.0	0.0	1	0.4	735.00
	TOTAL	3	0.8	0	0.0	0.0	3	0.6	3297.00
CARP	1977	1	0.6	0	0.0	0.0	1	0.1	1000.00
	1978	3	2.1	1	1.5	112.00	4	1.9	2320.00
	1979	3	4.3	0	0.0	0.0	3	1.3	2355.00
	1981	8	6.5	0	0.0	0.0	8	4.4	6145.00
	1982	16	28.6	0	0.0	0.0	16	21.9	21386.00
SILVERJAW MINNOW	1985	1	0.5	0	0.0	0.0	1	0.1	1290.00
	TOTAL	32	4.1	1	0.1	112.00	33	1.4	34496.00
TOTAL	1979	0	0.0	1	0.6	0.16	1	0.4	0.16
	TOTAL	0	0.0	1	0.6	0.16	1	0.4	0.16

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1.19	2	0.2	1.19
	1978	0	0.0	0.00	0.0	0.43	1	0.5	0.43
	1979	0	0.0	0.00	0.0	1.50	2	0.9	1.50
	1985	6	2.8	33.28	0.2	12.82	18	2.6	46.10
	1986	1	0.5	6.61	0.0	7.72	2	0.8	14.33
	TOTAL	7	0.9	39.89	0.0	23.66	25	1.0	63.55
EMERALD SHINER	1983	1	1.7	9.50	0.1	0.00	1	0.6	9.50
	TOTAL	1	1.7	9.50	0.1	0.00	1	0.6	9.50
STRIPED SHINER	1977	0	0.0	0.00	0.0	0.41	1	0.1	0.41
	1978	0	0.0	0.00	0.0	4.36	13	6.2	4.36
	1982	0	0.0	0.00	0.0	1.68	5	6.8	1.68
	1983	0	0.0	0.00	0.0	17.30	47	26.9	17.30
	1984	1	0.5	2.97	0.0	0.20	3	1.2	3.17
	1985	7	3.3	23.20	0.2	29.83	58	8.3	53.03
	1986	1	0.5	4.49	0.0	0.00	1	0.4	4.49
	TOTAL	9	0.9	30.66	0.0	53.78	128	4.8	84.44
RED SHINER	1984	0	0.0	0.00	0.0	0.45	1	0.4	0.45
	1985	1	0.5	5.28	0.0	0.97	2	0.3	6.25
	TOTAL	1	0.2	5.28	0.0	1.42	3	0.3	6.70
ROSYFACE SHINER	1977	3	1.8	1.88	0.0	17.92	43	4.3	19.80
	1981	1	0.8	0.98	0.0	0.00	1	0.6	0.98
	1983	1	1.7	0.20	0.0	0.00	1	0.6	0.20
	1985	0	0.0	0.00	0.0	15.24	43	6.2	15.24
	1986	7	3.6	11.82	0.1	0.00	7	2.6	11.82
	TOTAL	12	1.6	14.88	0.0	33.16	95	4.1	48.04
SPOTFIN SHINER	1977	28	16.8	128.18	1.1	256.02	245	24.7	384.20
	1978	7	4.8	24.51	0.2	7.69	10	4.7	32.20
	1979	1	1.4	3.82	0.0	65.41	78	34.4	69.23
	1981	4	3.2	10.58	0.0	17.59	19	10.5	28.17
	1982	10	17.9	45.66	0.1	10.46	13	17.8	56.12
	1983	8	13.3	28.38	0.3	33.58	28	16.0	61.96
	1984	3	1.5	10.78	0.1	31.57	38	14.9	42.35
	1985	12	5.6	55.68	0.4	75.64	104	14.9	131.32
	1986	17	8.8	36.86	0.2	21.72	29	10.9	58.58
	TOTAL	90	7.3	344.45	0.2	519.68	564	18.3	864.13

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SAND SHINER	1977	1	0.6	0.87	0.0	111	13.5	57.68	8.1	112	11.3	58.55	0.5
	1978	0	0.0	0.00	0.0	9	13.8	2.07	1.3	9	4.3	2.07	0.0
	1979	0	0.0	0.00	0.0	38	24.2	22.98	16.5	38	16.7	22.98	0.1
	1981	1	0.8	0.36	0.0	0	0.0	0.00	0.0	1	0.6	0.36	0.0
	1983	2	3.3	2.18	0.0	9	7.8	5.66	3.1	11	6.3	7.84	0.1
	1984	1	0.5	0.46	0.0	1	1.8	0.41	0.9	2	0.8	0.87	0.0
	1985	0	0.0	0.00	0.0	42	8.7	19.58	3.5	42	6.0	19.58	0.1
	1986	0	0.0	0.00	0.0	1	1.4	2.05	0.5	1	0.4	2.05	0.0
	TOTAL	5	0.4	3.87	0.0	211	11.6	110.43	4.8	216	7.2	114.30	0.1
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	4	0.5	1.24	0.2	4	0.4	1.24	0.0
	1985	0	0.0	0.00	0.0	2	0.4	1.76	0.3	2	0.3	1.76	0.0
	1986	0	0.0	0.00	0.0	4	5.6	3.80	1.0	4	1.5	3.80	0.0
	TOTAL	0	0.0	0.00	0.0	10	0.7	6.80	0.4	10	0.5	6.80	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.1	0.51	0.3	2	0.9	0.51	0.0
	1979	0	0.0	0.00	0.0	1	0.6	0.31	0.2	1	0.4	0.31	0.0
	1982	1	1.8	1.85	0.0	3	17.6	1.50	3.9	4	5.5	3.35	0.0
	1983	2	3.3	2.15	0.0	0	0.0	0.00	0.0	2	1.1	2.15	0.0
	1985	0	0.0	0.00	0.0	5	1.0	4.35	0.8	5	0.7	4.35	0.0
	TOTAL	3	0.5	4.00	0.0	11	1.3	6.67	0.6	14	1.0	10.67	0.0
BLUNTNOSE MINNOW	1977	5	3.0	7.59	0.1	132	16.0	82.69	11.6	137	13.8	90.28	0.7
	1978	0	0.0	0.00	0.0	20	30.8	22.00	13.8	20	9.5	22.00	0.1
	1979	1	1.4	2.45	0.0	28	17.8	33.06	23.7	29	12.8	35.51	0.2
	1981	1	0.8	0.28	0.0	7	12.3	3.14	2.1	8	4.4	3.42	0.0
	1982	0	0.0	0.00	0.0	4	23.5	5.22	13.4	4	5.5	5.22	0.0
	1983	0	0.0	0.00	0.0	33	28.7	45.22	24.9	33	18.9	45.22	0.5
	1984	18	9.0	31.67	0.2	3	5.5	2.28	5.1	21	8.2	33.95	0.2
	1985	11	5.1	28.93	0.2	43	8.9	46.42	8.4	54	7.7	75.35	0.5
	1986	10	5.2	22.83	0.1	14	19.4	34.18	9.0	24	9.0	57.01	0.2
	TOTAL	46	3.7	93.75	0.1	284	15.4	274.21	11.6	330	10.7	367.96	0.2



APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BULLHEAD MINNOW</b>									
1977	31	18.6	90.61	178	21.6	215.58	209	21.1	306.19
1978	14	9.6	41.92	2	3.1	3.66	16	7.6	45.58
1979	2	2.9	6.06	4	2.5	6.53	6	2.6	12.59
1981	1	0.8	5.83	8	14.0	5.50	9	5.0	11.33
1982	0	0.0	0.00	1	5.9	0.05	1	1.4	0.05
1983	1	1.7	2.57	3	2.6	5.08	4	2.3	7.65
1984	2	1.0	4.00	3	5.5	6.87	5	2.0	10.87
1985	0	0.0	0.00	61	12.7	123.12	61	8.8	123.12
1986	0	0.0	0.00	3	4.2	4.29	3	1.1	4.29
TOTAL	51	4.1	150.99	263	14.3	370.68	314	10.2	521.67
<b>CREEK CHUB</b>									
1978	0	0.0	0.00	3	4.6	1.16	3	1.4	1.16
TOTAL	0	0.0	0.00	3	4.6	1.16	3	1.4	1.16
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	103	12.5	5.46	103	10.4	5.46
TOTAL	0	0.0	0.00	103	12.5	5.46	103	10.4	5.46
<b>QUILLBACK</b>									
1977	1	0.6	450.00	0	0.0	0.00	1	0.1	450.00
1978	3	2.1	1990.00	0	0.0	0.00	3	1.4	1990.00
1979	2	2.9	655.00	0	0.0	0.00	2	0.9	655.00
1981	2	1.6	765.00	0	0.0	0.00	2	1.1	765.00
1982	2	3.6	970.00	0	0.0	0.00	2	2.7	970.00
1983	8	13.3	3850.00	0	0.0	0.00	8	4.6	3850.00
1984	5	2.5	3170.00	0	0.0	0.00	5	2.0	3170.00
1985	5	2.3	2268.00	0	0.0	0.00	5	0.7	2268.00
1986	6	3.1	3495.00	0	0.0	0.00	6	2.3	3495.00
TOTAL	34	2.8	17613.00	0	0.0	0.00	34	1.1	17613.00
<b>WHITE SUCKER</b>									
1981	1	0.8	25.00	0	0.0	0.00	1	0.6	25.00
1982	1	1.8	490.00	0	0.0	0.00	1	1.4	490.00
TOTAL	2	1.1	515.00	0	0.0	0.00	2	0.8	515.00
<b>NORTHERN HOGSUCKER</b>									
1981	2	1.6	555.00	0	0.0	0.00	2	1.1	555.00
1985	1	0.5	310.00	0	0.0	0.00	1	0.1	310.00
1986	2	1.0	432.00	0	0.0	0.00	2	0.8	432.00
TOTAL	5	0.9	1297.00	0	0.0	0.00	5	0.4	1297.00

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SILVER REDHORSE</b>									
1977	3	1.8	927.00	0	0.0	0.00	3	0.3	927.00
1978	6	4.1	4123.00	2	3.1	1.14	8	3.8	4124.14
1979	5	7.1	2845.00	1	0.6	1.96	6	2.6	2846.96
1981	13	10.5	6218.00	0	0.0	0.00	13	7.2	6218.00
1982	2	3.6	1525.00	0	0.0	0.00	2	2.7	1525.00
1983	3	5.0	1116.00	0	0.0	0.00	3	1.7	1116.00
1984	9	4.5	1851.00	0	0.0	0.00	9	3.5	1851.00
1985	1	0.5	425.00	0	0.0	0.00	1	0.1	425.00
1986	8	4.1	3761.00	0	0.0	0.00	8	3.0	3761.00
TOTAL	50	4.1	22791.00	3	0.2	3.10	53	1.7	22794.10
<b>RIVER REDHORSE</b>									
1977	5	3.0	312.00	0	0.0	0.00	5	0.5	312.00
1978	2	1.4	584.00	0	0.0	0.00	2	0.9	584.00
1979	4	5.7	1362.00	0	0.0	0.00	4	1.8	1362.00
1981	1	0.8	215.00	0	0.0	0.00	1	0.6	215.00
1982	1	1.8	1120.00	0	0.0	0.00	1	1.4	1120.00
1983	1	1.7	480.00	0	0.0	0.00	1	0.6	480.00
1984	2	1.0	1480.00	0	0.0	0.00	2	0.8	1480.00
1986	6	3.1	85.33	0	0.0	0.00	6	2.3	85.33
TOTAL	22	2.2	5638.33	0	0.0	0.00	22	0.9	5638.33
<b>BLACK REDHORSE</b>									
1985	1	0.5	2.35	0	0.0	0.00	1	0.1	2.35
1986	1	0.5	38.02	0	0.0	0.00	1	0.4	38.02
TOTAL	2	0.5	40.37	0	0.0	0.00	2	0.2	40.37
<b>GOLDEN REDHORSE</b>									
1977	13	7.8	4143.00	0	0.0	0.00	13	1.3	4143.00
1978	11	7.5	4344.00	0	0.0	0.00	11	5.2	4344.00
1979	15	21.4	5027.00	0	0.0	0.00	15	6.6	5027.00
1981	23	18.5	7912.00	0	0.0	0.00	23	12.7	7912.00
1982	5	8.9	1212.00	0	0.0	0.00	5	6.8	1212.00
1983	3	5.0	1055.00	0	0.0	0.00	3	1.7	1055.00
1984	39	19.5	7848.00	0	0.0	0.00	39	15.3	7848.00
1985	25	11.6	2905.69	95	19.7	125.54	120	17.2	3031.23
1986	48	24.7	10135.46	1	1.4	18.02	49	18.4	10153.48
TOTAL	182	14.8	44582.15	96	5.2	143.56	278	9.0	44725.71
<b>33.5</b>									
<b>29.2</b>									
<b>24.9</b>									
<b>27.5</b>									
<b>3.9</b>									
<b>12.2</b>									
<b>45.9</b>									
<b>21.7</b>									
<b>42.5</b>									
<b>26.2</b>									

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDHOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SHORTHEAD REDHORSE</b>									
1977	4	2.4	754.26	6.5	0.0	0.00	4	0.4	754.26
1978	2	1.4	76.00	0.5	0.0	0.00	2	0.9	76.00
1979	1	1.4	600.00	3.0	0.0	0.00	1	0.4	600.00
1981	5	4.0	1457.00	5.1	0.0	0.00	5	2.8	1457.00
1982	1	1.8	485.00	1.6	0.0	0.00	1	1.4	485.00
1984	1	0.5	43.00	0.3	0.0	0.00	1	0.4	43.00
1985	5	2.3	123.05	0.9	10	2.1	15	2.2	143.41
1986	10	5.2	1572.17	6.7	0.0	0.00	10	3.8	1572.17
TOTAL	29	2.5	5110.48	3.2	10	0.6	39	1.3	5130.84
<b>UNIDENTIFIED REDHORSE</b>									
1977	1	0.6	1.77	0.0	2	0.2	3	0.3	3.71
1978	5	3.4	6.59	0.0	0	0.0	5	2.4	6.59
1981	0	0.0	0.00	0.0	2	3.5	2	1.1	0.57
1983	0	0.0	0.00	0.0	1	0.9	1	0.6	0.76
TOTAL	6	1.2	8.36	0.0	5	0.5	11	0.7	11.63
<b>CHANNEL CATFISH</b>									
1977	1	0.6	625.00	5.4	0	0.0	1	0.1	625.00
1978	1	0.7	25.00	0.2	0	0.0	1	0.5	25.00
TOTAL	2	0.6	650.00	2.5	0	0.0	2	0.2	650.00
<b>STONECAT</b>									
1978	1	0.7	70.00	0.5	0	0.0	1	0.5	70.00
1979	1	1.4	44.00	0.2	0	0.0	1	0.4	44.00
1984	1	0.5	20.00	0.1	0	0.0	1	0.4	20.00
1985	1	0.5	0.70	0.0	0	0.0	1	0.1	0.70
TOTAL	4	0.6	134.70	0.2	0	0.0	4	0.3	134.70
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	0	0.0	0.00	0.0	1	0.1	1	0.1	0.41
1983	1	1.7	1.31	0.0	1	0.9	2	1.1	3.23
1986	2	1.0	4.53	0.0	0	0.0	2	0.8	4.53
TOTAL	3	0.7	5.84	0.0	2	0.2	5	0.3	8.17
<b>ROCK BASS</b>									
1977	15	9.0	940.25	8.1	7	0.9	22	2.2	962.67
1978	3	2.1	254.00	1.7	0	0.0	3	1.4	254.00
1979	8	11.4	802.00	4.0	2	1.3	10	4.4	802.45
1981	11	8.9	980.00	3.4	7	12.3	18	9.9	982.65
1982	3	5.4	122.00	0.4	0	0.0	3	4.1	122.00
1983	5	8.3	416.00	4.9	0	0.0	5	2.9	416.00
1984	10	5.0	549.00	3.2	0	0.0	10	3.9	549.00
1985	71	33.0	2673.69	19.9	1	0.2	72	10.3	2688.19
1986	13	6.7	750.00	3.2	18	25.0	31	11.7	946.80
TOTAL	139	11.3	7486.94	4.4	35	1.9	174	5.7	7723.76

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GREEN SUNFISH</b>									
1977	3	1.8	27.43	0	0.0	0.00	3	0.3	27.43
1978	1	0.7	5.00	0	0.0	0.00	1	0.5	5.00
1981	2	1.6	4.00	1	1.8	3.70	3	1.7	7.70
1982	1	1.8	20.00	0	0.0	0.00	1	1.4	20.00
1983	5	8.3	56.49	0	0.0	0.00	5	2.9	56.49
1984	20	10.0	266.51	0	0.0	0.00	20	7.8	266.51
1986	2	1.0	6.14	1	1.4	0.03	3	1.1	6.17
TOTAL	34	3.6	385.57	2	0.2	3.73	36	1.7	389.30
<b>ORANGESPOTTED SUNFISH</b>									
1977	1	0.6	8.66	0	0.0	0.00	1	0.1	8.66
1981	5	4.0	29.85	4	7.0	5.72	9	5.0	35.57
TOTAL	6	2.1	38.51	4	0.5	5.72	10	0.9	44.23
<b>BLUEGILL</b>									
1977	0	0.0	0.00	4	0.5	0.94	4	0.4	0.94
1978	1	0.7	10.00	0	0.0	0.00	1	0.5	10.00
1982	1	1.8	10.00	0	0.0	0.00	1	1.4	10.00
1983	2	3.3	44.00	0	0.0	0.00	2	1.1	44.00
1984	1	0.5	18.00	0	0.0	0.00	1	0.4	18.00
1986	1	0.5	8.00	0	0.0	0.00	1	0.4	8.00
TOTAL	6	0.7	90.00	4	0.3	0.94	10	0.5	90.94
<b>NORTHERN LONGEAR SUNFISH</b>									
1977	21	12.6	389.30	0	0.0	0.00	21	2.1	389.30
TOTAL	21	12.6	389.30	0	0.0	0.00	21	2.1	389.30
<b>LONGEAR SUNFISH</b>									
1977	2	1.2	39.26	5	0.6	2.32	7	0.7	41.58
1978	9	6.2	193.00	0	0.0	0.00	9	4.3	193.00
1979	11	15.7	291.00	1	0.6	6.44	12	5.3	297.44
1981	16	12.9	660.00	7	12.3	96.17	23	12.7	756.17
1982	6	10.7	131.00	1	5.9	20.00	7	9.6	151.00
1983	6	10.0	106.53	0	0.0	0.00	6	3.4	106.53
1984	63	31.5	664.33	0	0.0	0.00	63	24.7	664.33
1985	28	13.0	331.75	1	0.2	9.83	29	4.2	341.58
1986	37	19.1	517.94	9	12.5	70.95	46	17.3	588.89
TOTAL	178	14.4	2934.61	24	1.3	205.71	202	6.6	3140.52

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
UNIDENTIFIED SUNFISH	1981	0	0.0	0	0.0	0.00	0.0	0.0	0.0
TOTAL	0	0.0	0.00	0	0.0	0.00	0.0	0.0	0.0
SMALLMOUTH BASS	1977	14	8.4	1381.96	11.8	0.52	0.3	1.7	0.52
1978	2	1.4	272.00	1.8	0.0	0.00	0.0	1.5	1387.44
1979	9	12.9	3102.00	15.5	0.0	0.00	0.0	2	272.00
1981	16	12.9	1824.00	6.4	0.0	0.00	0.0	9	3102.00
1982	4	7.1	1506.27	4.9	0.0	0.00	0.0	16	1824.00
1983	7	11.7	1174.27	13.9	0.0	0.00	0.0	4	1506.27
1984	21	10.5	1067.00	6.3	1	1.8	0.46	7	1174.27
1985	31	14.4	2808.04	20.9	11	2.3	40.59	22	1067.46
1986	11	5.7	988.00	4.2	1	1.4	14.28	42	2848.63
TOTAL	115	9.3	14123.54	8.4	14	0.8	60.81	129	1002.28
LARGEMOUTH BASS	1977	5	3.0	96.39	0.8	1	0.1	6	104.39
1978	1	0.7	6.00	0.0	0	0.0	0.00	1	6.00
1979	1	1.4	5.00	0.0	0	0.0	0.00	1	5.00
1981	2	1.6	343.00	1.2	0	0.0	0.00	2	343.00
1983	3	5.0	90.00	1.1	0	0.0	0.00	3	90.00
TOTAL	12	2.1	540.39	0.6	1	0.1	8.00	13	548.39
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	1	0.1	1	1.76
1979	3	4.3	203.00	1.0	0	0.0	0.00	3	203.00
1981	4	3.2	241.00	0.8	1	1.8	14.00	5	255.00
1983	1	1.7	29.00	0.3	1	0.9	72.00	2	101.00
TOTAL	8	1.9	473.00	0.7	3	0.3	87.76	11	560.76
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	5	0.6	5	19.04
1981	0	0.0	0.00	0.0	2	3.5	1.44	2	1.44
TOTAL	0	0.0	0.00	0.0	7	0.8	20.48	7	20.48
JOHNNY DARTER	1977	1	0.6	0.93	0.0	4	0.5	5	2.81
1978	0	0.0	0.00	0.0	9	13.8	3.90	9	3.90
1979	0	0.0	0.00	0.0	2	1.3	0.48	2	0.48
1984	0	0.0	0.00	0.0	9	16.4	2.73	9	2.73
1985	0	0.0	0.00	0.0	6	1.2	5.16	6	5.16
1986	0	0.0	0.00	0.0	4	5.6	1.98	4	1.98
TOTAL	1	0.1	0.93	0.0	34	2.1	16.13	35	17.06

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
YELLOW PERCH	1977	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
	TOTAL	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
BLACKSIDE DARTER	1985	1	0.5	1.42	0.0	2	0.4	2.75	0.5	3	0.4	4.17	0.0
	TOTAL	1	0.5	1.42	0.0	2	0.4	2.75	0.5	3	0.4	4.17	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.68	0.1	1	0.1	0.68	0.0
	1985	0	0.0	0.00	0.0	4	0.8	3.34	0.6	4	0.6	3.34	0.0
	1986	0	0.0	0.00	0.0	3	4.2	3.22	0.8	3	1.1	3.22	0.0
	TOTAL	0	0.0	0.00	0.0	8	0.6	7.24	0.4	8	0.4	7.24	0.0
WALLEYE	1977	5	3.0	230.00	2.0	0	0.0	0.00	0.0	5	0.5	230.00	1.9
	1979	2	2.9	794.00	4.0	0	0.0	0.00	0.0	2	0.9	794.00	3.9
	1981	1	0.8	323.00	1.1	0	0.0	0.00	0.0	1	0.6	323.00	1.1
	1982	1	1.8	5.47	0.0	0	0.0	0.00	0.0	1	1.4	5.47	0.0
	TOTAL	9	2.2	1352.47	1.5	0	0.0	0.00	0.0	9	0.6	1352.47	1.5

APPENDIX D-3. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1981	1	0.2	0.67	0	0.0	0.00	1	0.1	0.67
1985	4	0.7	135.00	0	0.0	0.00	4	0.3	135.00
TOTAL	5	0.5	135.67	0	0.0	0.00	5	0.2	135.67
<b>GIZZARD SHAD</b>									
1977	295	47.9	3509.43	57	4.2	96.19	352	17.8	3605.62
1978	21	9.2	166.00	0	0.0	0.00	21	6.8	166.00
1981	86	20.0	8682.05	0	0.0	0.00	86	9.6	8682.05
1982	14	10.2	1777.48	0	0.0	0.00	14	9.7	1777.48
1986	7	1.3	968.81	0	0.0	0.00	7	1.2	968.81
TOTAL	423	21.7	15103.77	57	2.9	96.19	480	12.3	15199.96
<b>CENTRAL MUDMINNOW</b>									
1982	1	0.7	4.44	0	0.0	0.00	1	0.7	4.44
TOTAL	1	0.7	4.44	0	0.0	0.00	1	0.7	4.44
<b>GRASS PICKEREL</b>									
1977	6	1.0	112.00	2	0.1	40.00	8	0.4	152.00
1978	8	3.5	238.00	1	1.3	2.61	9	2.9	240.61
1979	3	1.3	238.00	0	0.0	0.00	3	0.2	238.00
1981	4	0.9	85.00	0	0.0	0.00	4	0.4	85.00
1983	2	0.7	133.00	0	0.0	0.00	2	0.5	133.00
1984	4	0.9	80.00	0	0.0	0.00	4	0.7	80.00
TOTAL	27	1.2	886.00	3	0.1	42.61	30	0.5	928.61
<b>NORTHERN PIKE</b>									
1977	3	0.5	1080.00	0	0.0	0.00	3	0.2	1080.00
1979	3	1.3	1402.00	0	0.0	0.00	3	0.2	1402.00
1981	4	0.9	2507.00	1	0.2	160.00	5	0.6	2667.00
1982	4	2.9	2480.00	0	0.0	0.00	4	2.8	2480.00
1983	1	0.4	481.00	0	0.0	0.00	1	0.3	481.00
1984	6	1.4	773.00	0	0.0	0.00	6	1.1	773.00
1985	1	0.2	610.00	0	0.0	0.00	1	0.1	610.00
1986	4	0.7	480.00	0	0.0	0.00	4	0.7	480.00
TOTAL	26	0.8	9813.00	1	0.0	160.00	27	0.4	9973.00
<b>CENTRAL STONEROLLER</b>									
1979	0	0.0	0.00	2	0.2	1.20	2	0.1	1.20
1985	4	0.7	6.35	4	0.5	6.34	8	0.6	12.69
TOTAL	4	0.5	6.35	6	0.3	7.54	10	0.4	13.89

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>CARP</b>									
1977	26	4.2	8574.18	19.2	1	0.1	9.01	1.1	8583.19
1978	4	1.8	2415.00	23.1	0	0.0	0.00	0.0	2415.00
1979	1	0.4	1720.00	6.0	0	0.0	0.00	0.0	1720.00
1981	5	1.2	4625.00	8.5	0	0.0	0.00	0.0	4625.00
1982	5	3.6	6087.00	16.7	0	0.0	0.00	0.0	6087.00
1984	3	0.7	1535.00	9.3	0	0.0	0.00	0.0	1535.00
1985	3	0.5	7439.00	32.1	0	0.0	0.00	0.0	7439.00
1986	4	0.7	9672.00	31.1	0	0.0	0.00	0.0	9672.00
TOTAL	51	1.6	42067.18	17.1	1	0.0	9.01	0.3	42076.19
<b>SILVERJAW MINNOW</b>									
1978	4	1.8	3.21	0.0	11	13.8	5.60	9.3	8.81
1979	0	0.0	0.00	0.0	35	2.8	20.45	2.0	20.45
1982	1	0.7	1.44	0.0	0	0.0	0.00	0.0	1.44
1984	1	0.2	1.63	0.0	0	0.0	0.00	0.0	1.63
1985	0	0.0	0.00	0.0	7	0.9	1.88	0.3	1.88
TOTAL	6	0.4	6.28	0.0	53	2.4	27.93	1.5	34.21
<b>HORNHEAD CHUB</b>									
1977	1	0.2	15.28	0.0	3	0.2	1.06	0.1	16.34
1984	0	0.0	0.00	0.0	2	1.4	0.16	0.2	0.16
1985	6	1.0	49.49	0.2	0	0.0	0.00	0.0	49.49
TOTAL	7	0.4	64.77	0.1	5	0.2	1.22	0.1	65.99
<b>GOLDEN SHINER</b>									
1977	0	0.0	0.00	0.0	2	0.1	0.87	0.1	0.87
TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.1	0.87
<b>EMERALD SHINER</b>									
1977	5	0.8	18.50	0.0	0	0.0	0.00	0.0	18.50
1979	1	0.4	14.00	0.0	0	0.0	0.00	0.0	14.00
TOTAL	6	0.7	32.50	0.0	0	0.0	0.00	0.0	32.50
<b>STRIPED SHINER</b>									
1977	0	0.0	0.00	0.0	40	2.9	16.63	2.1	16.63
1978	0	0.0	0.00	0.0	6	7.5	2.42	4.0	2.42
1979	0	0.0	0.00	0.0	3	0.2	0.97	0.1	0.97
1982	0	0.0	0.00	0.0	2	25.0	1.92	26.4	1.92
1983	1	0.4	0.47	0.0	1	1.1	0.64	0.9	1.11
1984	1	0.2	4.97	0.0	6	4.3	1.41	1.9	6.38
1985	16	2.7	62.46	0.3	28	3.6	19.75	3.0	82.21
1986	1	0.2	5.40	0.0	14	29.8	1.92	0.6	7.32
TOTAL	19	0.6	73.30	0.0	100	2.7	45.66	1.5	118.96



APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
RED SHINER	1985	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
ROSYFACE SHINER	1977	1	0.2	3.66	0.0	41	3.0	15.69	2.0	42	2.1	19.35	0.0
	1978	0	0.0	0.00	0.0	1	1.3	1.93	3.2	1	0.3	1.93	0.0
	1979	1	0.4	2.05	0.0	1	0.1	0.86	0.1	2	0.1	2.91	0.0
	1982	0	0.0	0.00	0.0	1	12.5	1.45	20.0	1	0.7	1.45	0.0
	1985	0	0.0	0.00	0.0	6	0.8	1.28	0.2	6	0.4	1.28	0.0
	1986	1	0.2	0.56	0.0	0	0.0	0.00	0.0	1	0.2	0.56	0.0
	TOTAL	3	0.1	6.27	0.0	50	1.4	21.21	0.7	53	0.9	27.48	0.0
SPOTFIN SHINER	1977	14	2.3	51.62	0.1	308	22.7	162.48	20.5	322	16.3	214.10	0.5
	1978	1	0.4	1.25	0.0	13	16.3	11.47	19.0	14	4.5	12.72	0.1
	1979	8	3.4	25.20	0.1	157	12.6	121.50	11.9	165	11.1	146.70	0.5
	1981	18	4.2	53.62	0.1	150	32.2	124.77	23.8	168	18.8	178.39	0.3
	1982	3	2.2	10.20	0.0	0	0.0	0.00	0.0	3	2.1	10.20	0.0
	1983	12	4.3	16.65	0.1	67	73.6	55.15	73.4	79	21.5	71.80	0.4
	1984	6	1.4	10.99	0.1	41	29.7	28.58	37.5	47	8.4	39.57	0.2
	1985	38	6.5	104.30	0.4	146	18.9	193.47	29.1	184	13.5	297.77	1.2
	1986	5	0.9	4.77	0.0	5	10.6	3.91	1.2	10	1.7	8.68	0.0
	TOTAL	105	3.0	278.60	0.1	887	21.1	701.33	19.7	992	12.9	979.93	0.4
SAND SHINER	1977	0	0.0	0.00	0.0	75	5.5	41.47	5.2	75	3.8	41.47	0.1
	1978	3	1.3	3.72	0.0	23	28.8	13.82	22.9	26	8.4	17.54	0.2
	1979	0	0.0	0.00	0.0	264	21.2	166.81	16.4	264	17.8	166.81	0.6
	1981	2	0.5	1.79	0.0	123	26.4	74.15	14.2	125	14.0	75.94	0.1
	1982	2	1.5	6.29	0.0	0	0.0	0.00	0.0	2	1.4	6.29	0.0
	1983	24	8.7	30.87	0.2	0	0.0	0.00	0.0	24	6.5	30.87	0.2
	1984	4	0.9	4.17	0.0	18	13.0	7.41	9.7	22	3.9	11.58	0.1
	1985	24	4.1	34.08	0.1	162	21.0	101.77	15.3	186	13.7	135.85	0.6
	1986	48	9.0	48.93	0.2	4	8.5	4.05	1.2	52	9.0	52.98	0.2
TOTAL	107	3.1	129.85	0.0	669	15.9	409.48	11.5	776	10.1	539.33	0.2	

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDHOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	28	2.0	5.89	0.7	1.4	5.89
1979	0	0.0	0.00	3	0.2	1.85	0.2	3	1.85
1981	0	0.0	0.00	33	7.1	20.39	3.9	33	20.39
1982	0	0.0	0.00	2	25.0	2.14	29.5	2	2.14
1984	1	0.2	1.11	0	0.0	0.00	0.0	1	1.11
1985	1	0.2	0.86	1	0.1	1.01	0.2	2	1.87
1986	5	0.9	4.62	5	10.6	3.60	1.1	10	8.22
TOTAL	7	0.2	6.59	72	1.8	34.88	1.0	79	41.47
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	6	0.4	5.22	0.7	6	5.22
1981	0	0.0	0.00	17	3.6	8.54	1.6	17	8.54
1984	3	0.7	3.24	0	0.0	0.00	0.0	3	3.24
1985	1	0.2	0.80	5	0.6	6.12	0.9	6	6.92
1986	4	0.7	4.73	0	0.0	0.00	0.0	4	4.73
TOTAL	8	0.3	8.77	28	1.0	19.88	0.8	36	28.65
<b>SUCKERMOUTH MINNOW</b>									
1979	0	0.0	0.00	51	4.1	23.39	2.3	51	23.39
1983	2	0.7	1.45	0	0.0	0.00	0.0	2	1.45
1985	6	1.0	16.28	8	1.0	8.68	1.3	14	24.96
1986	3	0.6	2.14	0	0.0	0.00	0.0	3	2.14
TOTAL	11	0.7	19.87	59	2.7	32.07	1.5	70	51.94
<b>BLUNTNOSE MINNOW</b>									
1977	8	1.3	17.05	226	16.6	103.70	13.1	234	120.75
1978	15	6.6	30.27	15	18.8	16.41	27.2	30	46.68
1979	5	2.1	12.75	643	51.5	622.35	61.0	648	635.10
1981	6	1.4	6.94	138	29.6	122.11	23.3	144	129.05
1982	3	2.2	5.93	1	12.5	1.14	15.7	4	7.07
1983	19	6.9	28.19	7	7.7	9.37	12.5	26	37.56
1984	37	8.7	58.19	58	42.0	25.48	33.5	95	83.67
1985	95	16.2	198.93	182	23.6	55.28	23.3	277	354.21
1986	177	33.1	276.50	5	10.6	1.45	0.4	182	277.95
TOTAL	365	10.5	634.75	1275	30.3	1057.29	29.8	1640	1692.04

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
FATHEAD MINNOW	1977	0	0.0	0	0.0	0.00	1	0.0	0.50
	TOTAL	0	0.0	0	0.0	0.50	1	0.0	0.50
BULLHEAD MINNOW	1977	18	2.9	46.96	0.1	33.61	74	3.7	80.57
	1985	5	0.9	17.27	0.1	4.06	10	0.7	21.33
	1985	23	1.9	64.23	0.1	37.67	84	2.5	101.90
	TOTAL	23	1.9	64.23	0.1	37.67	84	2.5	101.90
CREEK CHUB	1978	2	0.9	2.97	0.0	1.87	3	1.0	4.84
	1979	0	0.0	0.00	0.0	4.96	11	0.7	4.96
	1985	2	0.3	2.78	0.0	47.63	57	4.2	50.41
	TOTAL	4	0.4	5.75	0.0	54.46	71	2.3	60.21
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	22.83	420	21.3	22.83
	1979	0	0.0	0.00	0.0	0.03	2	0.1	0.03
	1984	0	0.0	0.00	0.0	0.32	4	0.7	0.32
	TOTAL	0	0.0	0.00	0.0	23.18	426	10.6	23.18
QUILLBACK	1977	14	2.3	5290.14	11.9	2.91	15	0.7	5293.05
	1978	2	0.9	1390.00	13.3	0.00	2	0.6	1390.00
	1979	4	1.7	1079.00	3.8	0.00	4	0.3	1079.00
	1981	12	2.8	3782.00	6.9	0.00	12	1.3	3782.00
	1982	11	8.0	4430.00	12.1	0.00	11	7.6	4430.00
	1983	2	0.7	1183.00	6.4	0.00	2	0.5	1183.00
	1984	8	1.9	3114.00	18.9	0.00	8	1.4	3114.00
	1985	3	0.5	635.00	2.7	3.95	7	0.5	638.95
	1986	12	2.2	7862.00	25.3	0.00	12	2.1	7862.00
	TOTAL	68	2.0	28765.14	10.9	6.86	73	0.9	28772.00
WHITE SUCKER	1977	14	2.3	3354.00	7.5	55.00	15	0.7	3409.00
	1978	1	0.4	365.00	3.5	0.00	1	0.3	365.00
	1979	8	3.4	2616.00	9.1	0.40	9	0.6	2616.40
	1982	5	3.6	2475.00	6.8	0.00	5	3.4	2475.00
	1983	13	4.7	5123.00	27.8	0.00	13	3.5	5123.00
	1984	2	0.5	885.00	5.4	0.00	2	0.4	885.00
	1985	8	1.4	2095.62	9.0	1.65	9	0.7	2097.27
	TOTAL	51	2.0	16913.62	9.5	57.05	54	0.9	16970.67

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
LAKE CHUBSUCKER	1977	0	0.0	0.0	0.0	0.0	1	0.0	0.10
	TOTAL	0	0.0	0.0	0.0	0.0	1	0.0	0.10
NORTHERN HOGSUCKER	1978	2	0.9	310.56	3.0	0.0	2	0.6	310.56
	1979	2	0.9	880.00	3.1	0.0	5	0.3	884.25
	1982	3	2.2	333.94	0.9	0.0	3	2.1	333.94
	1983	10	3.6	2495.64	13.5	0.0	10	2.7	2495.64
	1985	14	2.4	3005.40	13.0	0.0	21	1.5	3022.63
	1986	2	0.4	805.00	2.6	0.0	2	0.3	805.00
	TOTAL	33	1.7	7830.54	5.3	0.0	43	1.0	7852.02
SPOTTED SUCKER	1985	2	0.3	1.33	0.0	0.62	3	0.2	1.95
	TOTAL	2	0.3	1.33	0.0	0.62	3	0.2	1.95
SILVER REDHORSE	1977	1	0.2	7.20	0.0	6.84	2	0.1	14.04
	1978	1	0.4	1110.00	10.6	0.0	1	0.3	1110.00
	1981	4	0.9	483.00	0.9	0.0	4	0.4	483.00
	1982	7	5.1	7065.00	19.3	0.0	7	4.8	7065.00
	1983	1	0.4	80.00	0.4	0.0	1	0.3	80.00
	1985	8	1.4	19.62	0.1	4.11	10	0.7	23.73
	TOTAL	22	1.0	8764.82	4.7	0.5	25	0.5	8775.77
RIVER REDHORSE	1977	4	0.6	285.00	0.6	0.0	4	0.2	285.00
	1979	1	0.4	40.00	0.1	0.0	1	0.1	40.00
	1982	1	0.7	700.00	1.9	0.0	1	0.7	700.00
	1985	4	0.7	11.17	0.0	0.0	4	0.3	11.17
BLACK REDHORSE	TOTAL	10	0.6	1036.17	0.8	0.0	10	0.2	1036.17
	1979	10	4.3	862.00	3.0	0.0	10	0.7	862.00
	1981	6	1.4	1340.00	2.5	0.0	6	0.7	1340.00
	1982	3	2.2	755.00	2.1	0.0	3	2.1	755.00
	1985	1	0.2	1.47	0.0	0.0	1	0.1	1.47
TOTAL	1977	4	0.6	285.00	0.6	0.0	4	0.2	285.00
	TOTAL	10	0.6	1036.17	0.8	0.0	10	0.2	1036.17
TOTAL	1979	10	4.3	862.00	3.0	0.0	10	0.7	862.00
	1981	6	1.4	1340.00	2.5	0.0	6	0.7	1340.00
	1982	3	2.2	755.00	2.1	0.0	3	2.1	755.00
	1985	1	0.2	1.47	0.0	0.0	1	0.1	1.47
	TOTAL	20	1.4	2958.47	2.1	0.0	20	0.5	2958.47

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GOLDEN REDHORSE</b>									
1977	30	4.9	2727.00	6.1	1	0.0	31	1.5	2759.50
1978	2	0.9	272.00	2.6	0	0.0	2	0.6	272.00
1979	32	13.6	2841.00	9.9	0	0.0	32	2.2	2841.00
1981	96	22.3	11602.00	21.3	0	0.0	96	10.7	11602.00
1982	12	8.8	5265.00	14.4	0	0.0	12	8.3	5265.00
1983	5	1.8	2476.00	13.4	0	0.0	5	1.4	2476.00
1984	9	2.1	828.00	5.0	0	0.0	9	1.6	828.00
1985	27	4.6	236.02	1.0	24	3.1	51	3.8	252.83
1986	16	3.0	4054.24	13.0	0	0.0	16	2.8	4054.24
TOTAL	229	6.6	30301.26	11.5	25	0.6	254	3.3	30350.57
<b>SHORTHEAD REDHORSE</b>									
1977	14	2.3	1162.82	2.6	0	0.0	14	0.7	1162.82
1978	4	1.8	332.56	3.2	0	0.0	4	1.3	332.56
1979	20	8.5	4883.00	17.0	0	0.0	20	1.3	4883.00
1981	5	1.2	1536.00	2.8	0	0.0	5	0.6	1536.00
1982	1	0.7	340.00	0.9	0	0.0	1	0.7	340.00
1985	14	2.4	27.92	0.1	0	0.0	14	1.0	27.92
1986	1	0.2	635.00	2.0	0	0.0	1	0.2	635.00
TOTAL	59	2.1	8917.30	3.9	0	0.0	59	0.9	8917.30
<b>UNIDENTIFIED REDHORSE</b>									
1977	16	2.6	46.92	0.1	9	0.6	25	1.2	66.99
1978	1	0.4	1.30	0.0	0	0.0	1	0.3	1.30
1979	0	0.0	0.00	0.0	68	5.4	68	4.6	49.39
1983	4	1.4	3.61	0.0	11	12.1	15	4.1	12.62
1984	0	0.0	0.00	0.0	1	0.7	1	0.2	0.58
TOTAL	21	1.2	51.83	0.0	89	3.0	110	2.3	130.88
<b>YELLOW BULLHEAD</b>									
1982	1	0.7	60.00	0.2	0	0.0	1	0.7	60.00
TOTAL	1	0.7	60.00	0.2	0	0.0	1	0.7	60.00
<b>CHANNEL CATFISH</b>									
1977	1	0.2	1970.00	4.4	0	0.0	1	0.1	1970.00
1979	1	0.4	810.00	2.8	0	0.0	1	0.1	810.00
1984	1	0.2	1060.00	6.4	0	0.0	1	0.2	1060.00
TOTAL	3	0.2	3840.00	4.3	0	0.0	3	0.1	3840.00

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>STONECAT</b>									
1983	1	0.4	50.00	0	0.0	0.00	1	0.3	50.00
1984	2	0.5	81.00	0	0.0	0.00	2	0.4	81.00
1985	2	0.3	23.53	0	0.0	0.00	2	0.1	23.53
TOTAL	5	0.4	154.53	0	0.0	0.00	5	0.2	154.53
<b>PIRATE PERCH</b>									
1978	1	0.4	2.28	0	0.0	0.00	1	0.3	2.28
TOTAL	1	0.4	2.28	0	0.0	0.00	1	0.3	2.28
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	0	0.0	0.00	3	0.2	0.94	3	0.2	0.94
1978	0	0.0	0.00	2	2.5	1.55	2	0.6	1.55
1979	0	0.0	0.00	1	0.1	0.15	1	0.1	0.15
1981	0	0.0	0.00	2	0.4	2.33	2	0.2	2.33
1983	0	0.0	0.00	2	2.2	0.27	2	0.5	0.27
1985	0	0.0	0.00	3	0.4	0.58	3	0.2	0.58
TOTAL	0	0.0	0.00	13	0.3	5.82	13	0.2	5.82
<b>BROOK SILVERSIDE</b>									
1977	1	0.2	0.74	8	0.6	2.76	9	0.4	3.50
1979	1	0.4	2.28	0	0.0	0.00	1	0.1	2.28
1984	0	0.0	0.00	1	0.7	0.21	1	0.2	0.21
TOTAL	2	0.2	3.02	9	0.3	2.97	11	0.3	5.99
<b>ROCK BASS</b>									
1977	23	3.7	1552.00	1	0.0	55.00	24	1.2	1607.00
1978	26	11.4	1011.00	0	0.0	0.00	26	8.4	1011.00
1979	37	15.7	3439.00	0	0.0	0.00	37	2.5	3439.00
1981	8	1.9	871.00	0	0.0	0.00	8	0.9	871.00
1982	7	5.1	504.00	0	0.0	0.00	7	4.8	504.00
1983	29	10.5	2692.03	0	0.0	0.00	29	7.9	2692.03
1984	31	7.3	1664.42	0	0.0	0.00	31	5.5	1664.42
1985	88	15.0	3926.02	0	0.0	0.00	88	6.5	3926.02
1986	33	6.2	1314.00	0	0.0	0.00	33	5.7	1314.00
TOTAL	282	8.1	16973.47	1	0.0	55.00	283	3.7	17028.47
<b>GREEN SUNFISH</b>									
1977	27	4.4	496.69	1	0.2	0.40	30	1.5	497.09
1978	32	14.0	801.00	0	0.0	0.00	32	10.4	801.00
1979	19	8.1	442.00	0	0.0	0.00	19	1.3	442.00
1981	25	5.8	686.15	0	0.0	0.00	25	2.8	686.15
1982	29	21.2	431.87	0	0.0	0.00	29	20.0	431.87
1983	58	21.0	1002.67	0	0.0	0.00	58	15.8	1002.67
1984	144	34.0	2990.18	0	0.0	0.00	144	25.7	2990.18
1985	102	17.4	2746.65	0	0.0	0.00	102	7.5	2746.65
1986	61	11.4	1523.61	1	2.1	0.03	62	10.7	1523.64
TOTAL	497	14.3	11120.82	4	0.1	0.43	501	6.5	11121.25

APPENDIX D-3 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
ORANGESPOTTED SUNFISH	1977	1	0.2	7.00	0.0	16	1.1	3.00	0.4	17	0.8	10.00	0.0
	1978	1	0.4	3.88	0.0	0	0.0	0.00	0.0	1	0.3	3.88	0.0
	1982	0	0.0	0.00	0.0	1	12.5	0.17	2.3	1	0.7	0.17	0.0
	1984	2	0.5	35.03	0.2	0	0.0	0.00	0.0	2	0.4	35.03	0.2
	1985	5	0.9	58.52	0.3	0	0.0	0.00	0.0	5	0.4	58.52	0.2
	1986	9	1.7	91.50	0.3	0	0.0	0.00	0.0	9	1.5	91.50	0.3
	TOTAL	18	0.7	195.93	0.1	17	0.7	3.17	0.2	35	0.7	199.10	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	11	0.8	2.73	0.3	11	0.5	2.73	0.0
	1978	5	2.2	35.00	0.3	0	0.0	0.00	0.0	5	1.6	35.00	0.3
	1979	2	0.9	31.00	0.1	0	0.0	0.00	0.0	2	0.1	31.00	0.1
	1981	16	3.7	779.46	1.4	0	0.0	0.00	0.0	16	1.8	779.46	1.4
	1982	1	0.7	16.00	0.0	0	0.0	0.00	0.0	1	0.7	16.00	0.0
	1983	12	4.3	145.23	0.8	0	0.0	0.00	0.0	12	3.3	145.23	0.8
	1984	27	6.4	573.82	3.5	1	0.7	10.90	14.3	28	5.0	584.72	3.5
	1985	2	0.3	128.00	0.6	0	0.0	0.00	0.0	2	0.1	128.00	0.5
	1986	10	1.9	211.68	0.7	1	2.1	85.00	25.8	11	1.9	296.68	0.9
	TOTAL	75	2.2	1920.19	0.7	13	0.3	98.63	2.8	88	1.1	2018.82	0.8
CENTRAL LONGEAR SUNFISH	1977	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1
TOTAL	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1	
NORTHERN LONGEAR SUNFISH	1977	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5
TOTAL	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5	
LONGEAR SUNFISH	1977	1	0.2	9.10	0.0	9	0.7	5.28	0.7	10	0.5	14.38	0.0
	1978	30	13.2	349.19	3.3	0	0.0	0.00	0.0	30	9.7	349.19	3.3
	1979	16	6.8	286.69	1.0	0	0.0	0.00	0.0	16	1.1	286.69	1.0
	1981	32	7.4	947.98	1.7	0	0.0	0.00	0.0	32	3.6	947.98	1.7
	1982	3	2.2	47.00	0.1	0	0.0	0.00	0.0	3	2.1	47.00	0.1
	1983	14	5.1	233.65	1.3	0	0.0	0.00	0.0	14	3.8	233.65	1.3
	1984	76	18.0	614.05	3.7	0	0.0	0.00	0.0	76	13.5	614.05	3.7
	1985	51	8.7	512.87	2.2	0	0.0	0.00	0.0	51	3.8	512.87	2.1
	1986	100	18.7	1493.47	4.8	9	19.1	229.00	69.4	109	18.8	1722.47	5.5
	TOTAL	323	9.3	4494.00	1.7	18	0.4	234.28	6.6	341	4.4	4728.28	1.8

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
GREEN SUNFISH X BLUEGILL	1982	2	1.5	19.00	0.1	0.00	0.0	2	1.4
1986	1	0.2	5.21	0.0	0.0	0.00	0.0	1	0.2
TOTAL	3	0.4	24.21	0.0	0.0	0.00	0.0	3	0.4
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.2	7.39	0.0	0.00	0.0	1	0.1
TOTAL	1	0.2	7.39	0.0	0.0	0.00	0.0	1	0.1
GREEN SUNFISH HYBRID	1981	1	0.2	5.00	0.0	0.00	0.0	1	0.1
TOTAL	1	0.2	5.00	0.0	0.0	0.00	0.0	1	0.1
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1.11	0.1	15	0.8
1983	1	0.4	20.00	0.1	0.0	0.00	0.0	1	0.3
1984	0	0.0	0.00	0.0	0.7	0.05	0.1	1	0.2
TOTAL	1	0.1	20.00	0.0	1.0	1.16	0.1	17	0.6
SMALLMOUTH BASS	1977	61	9.9	13861.42	31.1	2.86	0.4	62	3.1
1978	49	21.5	1490.14	14.2	0.0	0.00	0.0	49	15.9
1979	56	23.8	6684.00	23.3	0.0	0.00	0.0	56	3.8
1981	60	14.0	11452.00	21.0	1	0.2	9.88	61	6.8
1982	15	10.9	3681.00	10.1	0.0	0.00	0.0	15	10.3
1983	49	17.8	1940.93	10.5	0.0	0.00	0.0	49	13.4
1984	44	10.4	1751.71	10.6	0.0	0.00	0.0	44	7.8
1985	38	6.5	1022.03	4.4	0.9	24.90	3.7	45	3.3
1986	26	4.9	1228.50	4.0	0.0	0.00	0.0	26	4.5
TOTAL	398	11.5	43111.73	16.3	9	0.2	37.64	407	5.3
LARGEMOUTH BASS	1977	6	1.0	51.53	0.1	10.00	1.3	7	0.3
1978	11	4.8	102.18	1.0	0.0	0.00	0.0	11	3.6
1979	1	0.4	9.00	0.0	0.0	0.00	0.0	1	0.1
1981	29	6.7	3408.00	6.3	1	0.2	1.56	30	3.3
1982	3	2.2	39.07	0.1	0.0	0.00	0.0	3	2.1
1983	11	4.0	126.94	0.7	0.0	0.00	0.0	11	3.0
1984	5	1.2	161.37	1.0	0.0	0.00	0.0	5	0.9
1985	10	1.7	65.24	0.3	0.0	0.00	0.0	10	0.7
1986	4	0.7	379.00	1.2	0.0	0.00	0.0	4	0.7
TOTAL	80	2.3	4342.33	1.6	2	0.0	11.56	82	1.1



APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>WHITE CRAPPIE</b>									
1977	0	0.0	0.00	2	0.1	0.96	0.1	0.1	0.96
1981	6	1.4	424.00	0	0.0	0.00	0.0	0.7	424.00
1984	5	1.2	271.00	0	0.0	0.00	0.0	0.9	271.00
TOTAL	11	0.7	695.00	2	0.1	0.96	0.1	0.4	695.96
<b>BLACK CRAPPIE</b>									
1977	1	0.2	3.62	13	0.9	24.32	3.1	0.7	27.94
1978	1	0.4	31.00	0	0.0	0.00	0.0	0.3	31.00
1979	3	1.3	343.00	0	0.0	0.00	0.0	0.2	343.00
1981	1	0.2	150.00	0	0.0	0.00	0.0	0.1	150.00
TOTAL	6	0.4	527.62	13	0.4	24.32	1.0	0.4	551.94
<b>JOHNNY DARTER</b>									
1977	0	0.0	0.00	5	0.4	3.69	0.5	0.3	3.69
1978	1	0.4	0.56	7	8.8	2.62	4.3	2.6	3.18
1979	0	0.0	0.00	3	0.2	1.04	0.1	0.2	1.04
1982	0	0.0	0.00	1	12.5	0.44	6.1	0.7	0.44
1983	0	0.0	0.00	3	3.3	0.65	0.9	0.8	0.65
1984	0	0.0	0.00	5	3.6	1.03	1.4	0.9	1.03
1985	1	0.2	0.48	108	14.0	40.98	6.2	8.0	41.46
1986	0	0.0	0.00	3	6.4	1.00	0.3	0.5	1.00
TOTAL	2	0.1	1.04	135	3.6	51.45	1.7	2.0	52.49
<b>YELLOW PERCH</b>									
1977	1	0.2	5.00	0	0.0	0.00	0.0	0.1	5.00
1983	1	0.4	37.00	0	0.0	0.00	0.0	0.3	37.00
TOTAL	2	0.2	42.00	0	0.0	0.00	0.0	0.1	42.00
<b>BLACKSIDE DARTER</b>									
1983	3	1.1	1.83	0	0.0	0.00	0.0	0.8	1.83
1984	1	0.2	0.64	0	0.0	0.00	0.0	0.2	0.64
1985	0	0.0	0.00	4	0.5	4.52	0.7	0.3	4.52
TOTAL	4	0.3	2.47	4	0.4	4.52	0.6	0.3	6.99
<b>WALLEYE</b>									
1977	1	0.2	45.00	0	0.0	0.00	0.0	0.1	45.00
1981	3	0.7	1023.00	0	0.0	0.00	0.0	0.3	1023.00
1983	1	0.4	145.00	0	0.0	0.00	0.0	0.3	145.00
TOTAL	5	0.4	1213.00	0	0.0	0.00	0.0	0.2	1213.00

APPENDIX D-4. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----			-----SEINING-----			-----TOTAL-----		
	NO.	%NO.	WT(G)	WT	NO.	%NO.	WT(G)	WT	%WT
<b>LONGNOSE GAR</b>									
1978	0	0.0	0.00	0.0	1	0.8	9.04	9.5	0.3
1984	0	0.0	0.00	0.0	1	1.4	1.42	2.0	0.7
TOTAL	0	0.0	0.00	0.0	2	1.0	10.46	6.3	0.4
<b>GIZZARD SHAD</b>									
1977	2	1.3	22.70	0.1	5	0.8	6.46	0.9	0.9
1978	17	9.6	139.61	1.5	0	0.0	0.00	0.0	5.5
1981	1	1.0	30.00	0.1	0	0.0	0.00	0.0	0.7
TOTAL	20	4.9	192.31	0.4	5	0.6	6.46	0.7	2.1
<b>GRASS PICKEREL</b>									
1977	1	0.4	7.00	0.0	1	0.2	35.00	4.8	0.2
1978	3	1.7	90.00	1.0	0	0.0	0.00	0.0	0.9
1979	1	1.2	23.00	0.3	0	0.0	0.00	0.0	0.3
1981	4	3.8	80.00	0.4	2	6.7	19.81	33.5	4.5
1985	2	1.5	123.00	1.0	0	0.0	0.00	0.0	0.6
1986	2	0.9	22.00	0.2	1	1.1	14.02	2.5	0.9
TOTAL	13	1.5	345.00	0.4	4	0.3	68.83	3.5	0.8
<b>NORTHERN PIKE</b>									
1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	0.1
1978	0	0.0	0.00	0.0	1	0.8	25.00	26.2	0.3
1979	5	5.8	1280.00	17.8	0	0.0	0.00	0.0	3.1
1982	0	0.0	0.00	0.0	1	2.1	335.00	92.1	1.2
TOTAL	6	1.4	1563.00	3.7	2	0.2	360.00	23.2	0.6
<b>CENTRAL STONEROLLER</b>									
1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	0.1
TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	0.1
<b>CARP</b>									
1977	2	1.3	1547.50	9.0	1	0.2	1.49	0.2	0.3
1981	3	2.9	4260.00	18.8	0	0.0	0.00	0.0	2.2
1982	2	5.4	3433.00	43.3	0	0.0	0.00	0.0	2.4
1983	2	4.4	3560.00	26.8	0	0.0	0.00	0.0	4.1
TOTAL	9	2.8	12800.50	20.9	1	0.1	1.49	0.1	0.9
<b>HORNYHEAD CHUB</b>									
1977	0	0.0	0.00	0.0	1	0.2	0.22	0.0	0.1
1979	1	1.2	5.17	0.1	0	0.0	0.00	0.0	0.6
TOTAL	1	0.5	5.17	0.0	1	0.1	0.22	0.0	0.2

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>EMERALD SHINER</b>									
1977	0	0.0	0.00	4	6.6	2.29	4	0.5	2.29
1984	1	1.4	1.27	0	0.0	0.00	1	0.7	1.27
1985	0	0.0	0.00	11	4.9	1.41	11	3.1	1.41
1986	0	0.0	0.00	1	1.1	0.32	1	0.3	0.32
TOTAL	1	0.2	1.27	16	1.6	4.02	17	1.1	5.29
<b>STRIPED SHINER</b>									
1977	0	0.0	0.00	28	4.5	15.04	28	3.8	15.04
1978	0	0.0	0.00	71	55.0	26.13	71	23.1	26.13
1982	0	0.0	0.00	16	34.0	7.78	16	19.0	7.78
1983	0	0.0	0.00	1	25.0	0.20	1	2.0	0.20
1984	0	0.0	0.00	9	13.0	2.09	9	6.3	2.09
1985	0	0.0	0.00	5	2.2	2.18	5	1.4	2.18
1986	1	0.4	12.00	1	1.1	1.65	2	0.6	13.65
TOTAL	1	0.1	12.00	131	11.1	55.07	132	6.6	67.07
<b>RED SHINER</b>									
1986	0	0.0	0.00	1	1.1	0.88	1	0.3	0.88
TOTAL	0	0.0	0.00	1	1.1	0.88	1	0.3	0.88
<b>ROSYFACE SHINER</b>									
1977	2	1.3	2.15	190	30.7	74.84	192	25.9	76.99
1978	0	0.0	0.00	1	0.8	0.33	1	0.3	0.33
1979	0	0.0	0.00	30	40.5	11.65	30	18.8	11.65
1981	0	0.0	0.00	1	3.3	1.43	1	0.7	1.43
1982	0	0.0	0.00	23	48.9	7.09	23	27.4	7.09
1984	0	0.0	0.00	5	7.2	0.85	5	3.5	0.85
1985	0	0.0	0.00	49	21.7	8.30	49	13.8	8.30
1986	0	0.0	0.00	4	4.4	0.98	4	1.2	0.98
TOTAL	2	0.2	2.15	303	23.6	105.47	305	13.6	107.62
<b>SPOTFIN SHINER</b>									
1977	6	4.6	17.92	106	17.1	69.95	112	15.1	87.87
1978	1	0.6	3.79	0	0.0	0.00	1	0.3	3.79
1979	1	1.2	6.73	21	28.4	21.45	22	13.8	28.18
1981	2	1.9	7.38	7	23.3	9.71	9	6.7	17.09
1983	3	6.7	8.02	0	0.0	0.00	3	6.1	8.02
1984	3	4.1	5.99	27	39.1	23.64	30	21.0	29.63
1985	1	0.8	2.15	33	14.6	2.91	34	9.6	5.06
1986	2	0.9	3.24	18	20.0	16.72	20	6.2	19.96
TOTAL	19	1.9	55.22	212	17.1	144.38	231	10.4	199.60

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	WT	NO.	%NO.	WT(G)	WT	%WT
<b>SAND SHINER</b>									
1977	0	0.0	0.00	0.0	5	0.8	2.51	0.3	0.7
1978	0	0.0	0.00	0.0	8	6.2	2.95	3.1	8
1984	0	0.0	0.00	0.0	1	1.4	0.60	0.8	1
TOTAL	0	0.0	0.00	0.0	14	1.7	6.06	0.7	14
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	0.0	56	9.0	11.90	1.6	56
1978	0	0.0	0.00	0.0	2	1.6	2.35	2.5	2
1979	0	0.0	0.00	0.0	3	4.1	3.42	1.0	3
1981	0	0.0	0.00	0.0	2	6.7	1.93	3.3	2
1982	0	0.0	0.00	0.0	1	2.1	0.29	0.1	1
1984	0	0.0	0.00	0.0	3	4.3	2.44	3.4	3
1986	0	0.0	0.00	0.0	16	17.8	12.12	2.1	16
TOTAL	0	0.0	0.00	0.0	83	7.8	34.45	1.5	83
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	0.0	10	1.6	3.93	0.5	10
1981	0	0.0	0.00	0.0	3	10.0	0.97	1.6	3
1986	0	0.0	0.00	0.0	1	1.1	0.39	0.1	1
TOTAL	0	0.0	0.00	0.0	14	1.9	5.29	0.4	14
<b>SUCKERMOUTH MINNOW</b>									
1979	0	0.0	0.00	0.0	1	1.4	0.81	0.2	1
TOTAL	0	0.0	0.00	0.0	1	1.4	0.81	0.2	1
<b>BLUNTNOSE MINNOW</b>									
1977	2	1.7	4.99	0.0	24	3.9	14.40	2.0	26
1978	2	1.1	7.43	0.1	35	27.1	14.78	15.5	37
1979	1	1.2	3.64	0.1	7	9.5	5.75	1.6	8
1981	1	1.0	1.18	0.0	1	3.3	0.63	1.1	2
1982	1	2.7	5.04	0.1	0	0.0	0.00	0.0	1
1983	3	6.7	4.02	0.0	2	50.0	5.15	85.8	5
1984	3	4.1	4.27	0.0	4	5.8	4.15	5.8	7
1985	2	1.5	9.79	0.1	40	17.7	11.87	8.2	42
1986	10	4.3	18.53	0.1	38	42.2	30.81	5.4	48
TOTAL	25	2.5	58.89	0.0	151	11.7	87.54	3.6	176

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	19.37	32	5.2	19.37
	1982	0	0.0	0.00	0.0	0.10	1	2.1	0.10
	TOTAL	3	1.9	12.10	0.0	19.47	33	5.0	19.47
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	4.46	68	11.0	4.46
	1978	0	0.0	0.00	0.0	0.41	5	3.9	0.41
	TOTAL	0	0.0	0.00	0.0	4.87	73	9.8	4.87
QUILLBACK	1977	1	0.4	295.00	1.7	1.02	1	0.2	296.02
	1981	1	1.0	500.00	2.2	0.00	0	0.0	500.00
	1982	1	2.7	600.00	7.6	0.00	0	0.0	600.00
	1983	4	8.9	2250.00	16.9	0.00	0	0.0	2250.00
	1984	1	1.4	440.00	3.1	0.00	0	0.0	440.00
	1985	3	2.3	2130.00	17.5	0.00	0	0.0	2130.00
	1986	4	1.7	2600.00	18.1	0.00	0	0.0	2600.00
TOTAL		15	2.0	8815.00	8.7	1.02	1	0.1	8816.02
WHITE SUCKER	1981	1	1.0	360.00	1.6	0.00	0	0.0	360.00
	TOTAL	1	1.0	360.00	1.6	0.00	0	0.0	360.00
NORTHERN HOGSUCKER	1981	2	1.9	785.00	3.5	0.00	0	0.0	785.00
	1982	1	2.7	310.00	3.9	0.00	0	0.0	310.00
	1983	2	4.4	1190.00	9.0	0.00	0	0.0	1190.00
	1984	4	5.4	1940.00	13.8	0.00	0	0.0	1940.00
	1985	1	0.8	500.00	4.1	0.00	0	0.0	500.00
	1986	1	0.4	725.00	5.0	0.00	0	0.0	725.00
TOTAL		11	1.8	5450.00	6.5	0.00	0	0.0	5450.00
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0.00	0	0.0	810.00
	1978	1	0.6	1140.00	12.1	0.00	0	0.0	1140.00
	1983	2	4.4	857.00	6.4	0.00	0	0.0	857.00
	1984	1	1.4	890.00	6.3	0.00	0	0.0	890.00
	1985	1	0.8	880.00	7.2	0.00	0	0.0	880.00
TOTAL		6	1.0	4577.00	6.9	0.00	0	0.0	4577.00

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>RIVER REDHORSE</b>									
1977	5	4.2	553.50	3.2	0.0	0.00	0.0	0.7	553.50
1978	1	0.6	36.00	0.4	0.0	0.00	0.0	0.3	36.00
1979	2	2.3	56.00	0.8	0.0	0.00	0.0	1.3	56.00
1981	1	1.0	180.00	0.8	0.0	0.00	0.0	0.7	180.00
1983	1	2.2	560.00	4.2	0.0	0.00	0.0	2.0	560.00
1984	2	2.7	2715.00	19.3	0.0	0.00	0.0	1.4	2715.00
1986	5	2.2	158.00	1.1	0.0	0.00	0.0	1.6	158.00
TOTAL	17	2.0	4258.50	4.3	0.0	0.00	0.0	0.9	4258.50
<b>BLACK REDHORSE</b>									
1983	2	4.4	458.00	3.4	0.0	0.00	0.0	4.1	458.00
1986	1	0.4	200.00	1.4	0.0	0.00	0.0	0.3	200.00
TOTAL	3	1.1	658.00	2.4	0.0	0.00	0.0	0.8	658.00
<b>GOLDEN REDHORSE</b>									
1977	21	17.5	6782.50	39.3	0.0	0.00	0.0	2.8	6782.50
1978	7	3.9	1248.00	13.3	0.0	0.00	0.0	2.3	1248.00
1979	7	8.1	2140.00	29.7	0.0	0.00	0.0	4.4	2140.00
1981	20	19.2	5654.00	25.0	0.0	0.00	0.0	14.9	5654.00
1982	4	10.8	730.00	9.2	0.0	0.00	0.0	4.8	730.00
1983	5	11.1	2430.00	18.3	0.0	0.00	0.0	10.2	2430.00
1984	18	24.3	5464.00	38.8	0.0	0.00	0.0	12.6	5464.00
1985	19	14.6	4158.00	34.2	0.0	0.00	0.0	5.3	4158.00
1986	24	10.4	3685.70	25.6	1.1	21.00	3.7	7.8	3706.70
TOTAL	125	12.4	32292.20	27.3	1	21.00	0.9	5.5	32313.20
<b>SHORTHEAD REDHORSE</b>									
1977	8	6.7	2433.50	14.1	0.0	0.00	0.0	1.1	2433.50
1978	1	0.6	35.00	0.4	0.0	0.00	0.0	0.3	35.00
1979	2	2.3	497.00	6.9	0.0	0.00	0.0	1.3	497.00
1981	17	16.3	6147.00	27.2	0.0	0.00	0.0	12.7	6147.00
1982	1	2.7	240.00	3.0	0.0	0.00	0.0	1.2	240.00
1983	2	4.4	860.00	6.5	0.0	0.00	0.0	4.1	860.00
1984	4	5.4	286.00	2.0	0.0	0.00	0.0	2.8	286.00
1985	2	1.5	514.00	4.2	0.0	0.00	0.0	0.6	514.00
1986	6	2.6	760.02	5.3	0.0	0.00	0.0	1.9	760.02
TOTAL	43	4.3	11772.52	9.9	0	0.00	0.0	1.9	11772.52

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDHOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.5	7.82	1.1	5	0.7	14.98	0.1
	1983	1	2.2	0.94	0.0	0	0.0	0.00	0.0	1	2.0	0.94	0.0
	TOTAL	3	1.8	8.10	0.0	3	0.5	7.82	1.1	6	0.8	15.92	0.1
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.2	876.50	4.9
	1978	2	1.1	2160.00	23.0	0	0.0	0.00	0.0	2	0.7	2160.00	22.8
	TOTAL	4	1.2	3036.50	11.4	0	0.0	0.00	0.0	4	0.3	3036.50	11.0
STONECAT	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.1	12.50	0.1
	1979	2	2.3	55.00	0.8	0	0.0	0.00	0.0	2	1.3	55.00	0.7
	1984	1	1.4	8.00	0.1	0	0.0	0.00	0.0	1	0.7	8.00	0.1
TOTAL	4	1.3	75.50	0.2	0	0.0	0.00	0.0	4	0.3	75.50	0.2	
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	7	1.1	2.01	0.3	7	0.9	2.01	0.0
	1979	0	0.0	0.00	0.0	1	1.4	2.08	0.6	1	0.6	2.08	0.0
	1985	0	0.0	0.00	0.0	4	1.8	1.08	0.7	4	1.1	1.08	0.0
TOTAL	0	0.0	0.00	0.0	12	1.3	5.17	0.4	12	1.0	5.17	0.0	
BROOK SILVERSIDE	1977	3	2.5	3.26	0.0	44	7.1	25.98	3.5	47	6.4	29.24	0.2
	1978	1	0.6	2.03	0.0	0	0.0	0.00	0.0	1	0.3	2.03	0.0
	1984	0	0.0	0.00	0.0	16	23.2	3.49	4.9	16	11.2	3.49	0.0
1985	0	0.0	0.00	0.0	69	30.5	18.79	12.9	69	19.4	18.79	0.2	
1986	2	0.9	3.10	0.0	0	0.0	0.00	0.0	2	0.6	3.10	0.0	
TOTAL	6	0.8	8.39	0.0	129	11.4	48.26	3.0	135	7.2	56.65	0.1	
ROCK BASS	1977	14	11.7	851.92	4.9	8	1.3	393.21	53.5	22	3.0	1245.13	6.9
	1978	25	14.0	1440.00	15.3	2	1.6	0.41	0.4	27	8.8	1440.41	15.2
	1979	14	16.3	761.00	10.6	2	2.7	180.00	50.3	16	10.0	941.00	12.5
1981	14	13.5	1272.00	5.6	4	13.3	0.74	1.3	18	13.4	1272.74	5.6	
1982	4	10.8	418.00	5.3	0	0.0	0.00	0.0	4	4.8	418.00	5.0	
1983	2	4.4	255.00	1.9	0	0.0	0.00	0.0	2	4.1	255.00	1.9	
1984	5	6.8	254.00	1.8	0	0.0	0.00	0.0	5	3.5	254.00	1.8	
1985	17	13.1	839.50	6.9	1	0.4	13.41	9.2	18	5.1	852.91	6.9	
1986	34	14.7	2314.59	16.1	2	2.2	351.00	61.9	36	11.2	2665.59	17.8	
TOTAL	129	12.8	8406.01	7.1	19	1.5	938.77	39.1	148	6.5	9344.78	7.7	

APPENDIX D-4 (CONT. ). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GREEN SUNFISH</b>									
1977	11	9.2	263.27	1	0.2	0.16	12	1.6	263.43
1978	26	14.6	695.00	0	0.0	0.00	26	8.5	695.00
1979	14	16.3	301.00	0	0.0	0.00	14	8.8	301.00
1981	11	10.6	293.00	1	3.3	0.26	12	9.0	293.26
1982	3	8.1	55.00	0	0.0	0.00	3	3.6	55.00
1985	2	1.5	73.85	0	0.0	0.00	2	0.6	73.85
1986	8	3.5	291.00	0	0.0	0.00	8	2.5	291.00
TOTAL	75	8.5	1972.12	2	0.2	0.42	77	3.7	1972.54
<b>PUMPKINSEED</b>									
1977	1	0.4	3.34	0	0.0	0.00	1	0.1	3.34
TOTAL	1	0.4	3.34	0	0.0	0.00	1	0.1	3.34
<b>ORANGESPOTTED SUNFISH</b>									
1977	1	0.8	3.03	4	0.6	1.12	5	0.7	4.15
1978	6	3.4	98.00	0	0.0	0.00	6	2.0	98.00
1979	4	4.7	70.00	0	0.0	0.00	4	2.5	70.00
1981	2	1.9	19.00	2	6.7	6.25	4	3.0	25.25
1983	2	4.4	35.00	0	0.0	0.00	2	4.1	35.00
1985	3	2.3	51.00	0	0.0	0.00	3	0.8	51.00
1986	27	11.7	320.44	1	1.1	10.88	28	8.7	331.32
TOTAL	45	5.0	596.47	7	0.6	18.25	52	2.5	614.72
<b>BLUEGILL</b>									
1977	1	0.4	0.92	0	0.0	0.00	1	0.1	0.92
1978	6	3.4	83.00	1	0.8	10.00	7	2.3	93.00
1979	1	1.2	31.00	0	0.0	0.00	1	0.6	31.00
1981	3	2.9	12.00	1	3.3	2.64	4	3.0	14.64
1982	1	2.7	45.00	0	0.0	0.00	1	1.2	45.00
1984	1	1.4	16.00	0	0.0	0.00	1	0.7	16.00
1986	4	1.7	33.07	1	1.1	2.86	5	1.6	35.93
TOTAL	17	2.0	220.99	3	0.3	15.50	20	1.0	236.49
<b>NORTHERN LONGEAR SUNFISH</b>									
1977	12	10.0	170.39	0	0.0	0.00	12	1.6	170.39
TOTAL	12	10.0	170.39	0	0.0	0.00	12	1.6	170.39



APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	WT(G)	%WT	NO.	WT(G)	%WT	NO.	WT(G)	%WT
<b>LONGEAR SUNFISH</b>									
1977	4	2.9	50.04	0.3	1	0.2	5	0.6	0.3
1978	62	34.8	1050.00	11.2	0	0.0	62	20.2	11.1
1979	21	24.4	533.31	7.4	2	2.7	23	14.4	7.9
1981	8	7.7	154.00	0.7	0	0.0	8	6.0	0.7
1982	7	18.9	159.00	2.0	1	2.1	8	9.5	2.0
1983	5	11.1	87.00	0.7	0	0.0	5	10.2	0.7
1984	11	14.9	168.26	1.2	2	2.9	13	9.1	1.4
1985	28	21.5	382.76	3.1	5	2.2	33	9.3	3.6
1986	80	34.6	1085.59	7.5	4	4.4	84	26.2	7.9
TOTAL	226	22.4	3669.96	3.1	15	1.2	241	10.5	3.3
<b>GREEN X LONGEAR SUNFISH</b>									
1979	1	1.2	9.00	0.1	0	0.0	1	0.6	0.1
TOTAL	1	1.2	9.00	0.1	0	0.0	1	0.6	0.1
<b>GREEN SUNFISH HYBRID</b>									
1981	1	1.0	10.00	0.0	0	0.0	1	0.7	0.0
TOTAL	1	1.0	10.00	0.0	0	0.0	1	0.7	0.0
<b>UNIDENTIFIED SUNFISH</b>									
1977	0	0.0	0.00	0.0	2	0.3	2	0.3	0.0
1981	0	0.0	0.00	0.0	1	3.3	1	0.7	0.0
1983	0	0.0	0.00	0.0	1	25.0	1	2.0	0.0
TOTAL	0	0.0	0.00	0.0	4	0.6	4	0.4	0.0
<b>SMALLMOUTH BASS</b>									
1977	16	12.9	2176.05	12.6	0	0.0	16	2.1	12.1
1978	14	7.9	1140.00	12.1	1	0.8	15	4.9	12.0
1979	8	9.3	1422.00	19.8	0	0.0	8	5.0	18.8
1981	8	7.7	2572.00	11.4	0	0.0	8	6.0	11.3
1982	12	32.4	1938.03	24.4	0	0.0	12	14.3	23.4
1983	8	17.8	727.32	5.5	0	0.0	8	16.3	5.5
1984	17	23.0	1804.92	12.8	0	0.0	17	11.9	12.8
1985	48	36.9	2149.59	17.7	8	3.5	56	15.7	17.7
1986	18	7.8	1755.64	12.2	0	0.0	18	5.6	11.7
TOTAL	149	14.8	15685.55	13.3	9	0.7	158	6.9	13.0

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	0.0	0.0	0.0	8.79
	1978	2	1.1	5.00	0.1	1	0.8	3	1.0
	1979	1	1.2	2.69	0.0	0	0.0	1	0.6
	1982	0	0.0	0.00	0.0	3	6.4	3	3.6
	1983	1	2.2	8.00	0.1	0	0.0	1	2.0
	1984	0	0.0	0.00	0.0	1	1.4	1	0.7
	1985	1	0.8	350.00	2.9	0	0.0	1	0.3
TOTAL	1986	2	0.9	402.00	2.8	0	0.0	2	0.6
		8	0.9	776.48	0.8	5	0.4	13	0.6
WHITE CRAPPIE	1979	0	0.0	0.00	0.0	4	5.4	4	2.5
	1981	4	3.8	293.00	1.3	0	0.0	4	3.0
	1982	0	0.0	0.00	0.0	1	2.1	1	1.2
	1984	2	2.7	77.00	0.5	0	0.0	2	1.4
	TOTAL	6	2.0	370.00	0.7	5	2.3	11	2.1
BLACK CRAPPIE	1977	1	0.4	4.00	0.0	14	2.3	15	2.0
	1978	1	0.6	26.00	0.3	0	0.0	1	0.3
	1979	0	0.0	0.00	0.0	3	4.1	3	1.9
	1981	0	0.0	0.00	0.0	5	16.7	5	3.7
	TOTAL	2	0.3	30.00	0.1	22	2.6	24	1.8
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.3	2	0.3
	1985	0	0.0	0.00	0.0	1	0.4	1	0.3
	TOTAL	0	0.0	0.00	0.0	3	0.4	3	0.3
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.2	1	0.1
	TOTAL	0	0.0	0.00	0.0	1	0.2	1	0.1
WALLEYE	1977	2	1.3	62.00	0.4	0	0.0	2	0.2
	1985	2	1.3	62.00	0.4	0	0.0	2	0.2
	TOTAL	4	2.6	124.00	0.8	0	0.0	4	0.4

APPENDIX D-5. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1977	1	0.7	45.00	0	0.0	0.00	1	0.1	45.00
1978	0	0.0	0.00	1	0.3	10.52	1	0.3	10.52
1981	1	1.1	188.00	0	0.0	0.00	1	0.9	188.00
1985	1	0.4	29.00	0	0.0	0.00	1	0.1	29.00
TOTAL	3	0.5	262.00	1	0.1	10.52	4	0.2	272.52
<b>GIZZARD SHAD</b>									
1977	2	2.1	9.88	0	0.0	0.00	2	0.9	12.03
1978	19	23.2	171.59	1	0.3	7.55	20	5.3	179.14
1979	1	1.9	162.00	0	0.0	0.00	1	0.5	162.00
1981	3	3.2	48.00	6	28.6	20.05	9	7.8	68.05
1982	1	2.9	160.00	0	0.0	0.00	1	2.6	160.00
1983	6	12.0	1309.06	0	0.0	0.00	6	7.8	1309.06
1984	4	7.5	318.82	1	2.3	1.13	5	5.2	319.95
1985	3	1.1	406.25	0	0.0	0.00	3	0.4	406.25
1986	3	2.2	229.59	0	0.0	0.00	3	1.7	229.59
TOTAL	42	4.8	2815.19	13	0.8	30.88	55	2.2	2846.07
<b>GRASS PICKEREL</b>									
1977	1	0.7	6.00	0	0.0	0.00	1	0.1	6.00
1978	1	1.2	6.00	0	0.0	0.00	1	0.3	6.00
1979	1	1.9	9.00	0	0.0	0.00	1	0.5	9.00
1984	1	1.9	152.00	0	0.0	0.00	1	1.0	152.00
1986	1	0.7	12.00	0	0.0	0.00	1	0.6	12.00
TOTAL	5	1.1	185.00	0	0.0	0.00	5	0.3	185.00
<b>NORTHERN PIKE</b>									
1979	1	1.9	75.00	0	0.0	0.00	1	0.5	75.00
1982	1	2.9	1560.00	0	0.0	0.00	1	2.6	1560.00
1985	1	0.4	425.00	0	0.0	0.00	1	0.1	425.00
1986	1	0.7	560.00	0	0.0	0.00	1	0.6	560.00
TOTAL	4	0.8	2620.00	0	0.0	0.00	4	0.4	2620.00
<b>CARP</b>									
1977	3	4.1	6565.00	0	0.0	0.00	3	0.4	6565.00
1978	1	1.2	1640.00	0	0.0	0.00	1	0.3	1640.00
1981	2	2.1	1410.00	0	0.0	0.00	2	1.7	1410.00
1982	1	2.9	4313.00	0	0.0	0.00	1	2.6	4313.00
1983	2	4.0	1662.00	0	0.0	0.00	2	2.6	1662.00
TOTAL	9	2.7	15590.00	0	0.0	0.00	9	0.7	15590.00

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0
	TOTAL	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0
HORNHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	1.19	0.3	1	0.1	1.19	0.0
	1985	1	0.4	22.00	0.1	2	0.5	1.43	0.5	3	0.4	23.43	0.1
TOTAL	1	0.3	22.00	0.1	3	0.3	2.62	0.4	4	0.3	24.62	0.1	
GOLDEN SHINER	1979	0	0.0	0.00	0.0	2	1.4	0.79	0.7	2	1.0	0.79	0.0
	1981	2	2.1	15.00	0.1	0	0.0	0.00	0.0	2	1.7	15.00	0.1
	1982	1	2.9	8.83	0.1	0	0.0	0.00	0.0	1	2.6	8.83	0.1
	TOTAL	3	1.6	23.83	0.1	2	1.2	0.79	0.3	5	1.4	24.62	0.1
EMERALD SHINER	1985	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0
TOTAL	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0	
STRIPED SHINER	1978	0	0.0	0.00	0.0	18	6.1	9.32	1.9	18	4.8	9.32	0.1
	1979	0	0.0	0.00	0.0	5	3.5	1.02	0.9	5	2.5	1.02	0.0
	1983	0	0.0	0.00	0.0	24	88.9	4.91	70.6	24	31.2	4.91	0.0
	1984	0	0.0	0.00	0.0	1	2.3	0.41	1.2	1	1.0	0.41	0.0
	1985	2	0.7	1.38	0.0	159	40.1	82.62	31.7	161	23.6	84.00	0.5
	TOTAL	2	0.4	1.38	0.0	207	22.9	98.28	10.9	209	14.6	99.66	0.2
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	19	3.0	7.86	1.9	19	2.7	7.86	0.0
	1978	3	3.7	2.40	0.0	9	3.1	3.92	0.8	12	3.2	6.32	0.1
	1979	0	0.0	0.00	0.0	16	11.2	6.16	5.3	16	8.1	6.16	0.1
	1981	1	1.1	10.00	0.1	0	0.0	0.00	0.0	1	0.9	10.00	0.1
	1982	1	2.9	1.96	0.0	4	100	1.96	100	5	13.2	3.92	0.0
	1985	2	0.7	0.80	0.0	34	8.6	11.96	4.6	36	5.3	12.76	0.1
	1986	2	1.4	2.30	0.0	0	0.0	0.00	0.0	2	1.1	2.30	0.0
	TOTAL	9	1.2	17.46	0.0	82	5.3	31.86	2.2	91	4.0	49.32	0.1
	SPOTFIN SHINER	1977	11	15.2	50.99	0.3	310	48.4	263.00	62.0	321	45.0	313.99
1978		1	1.2	3.82	0.0	42	14.3	72.01	15.0	43	11.5	75.83	0.9
1979		7	13.0	34.25	0.7	96	67.1	93.24	80.3	103	52.3	127.49	2.4
1981		2	2.1	2.00	0.0	11	52.4	13.05	11.3	13	11.3	15.05	0.1
1983		5	10.0	12.70	0.1	2	7.4	1.85	26.6	7	9.1	14.55	0.1
1984		1	1.9	0.91	0.0	38	86.4	28.61	81.4	39	40.2	29.52	0.3
1985		14	4.9	42.75	0.3	65	16.4	26.83	10.3	79	11.6	69.58	0.4
1986		12	8.6	12.89	0.1	5	11.9	3.98	10.5	17	9.4	16.87	0.1
TOTAL		53	6.4	160.31	0.2	569	35.4	502.57	34.1	622	25.5	662.88	0.6

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SAND SHINER</b>									
1977	1	0.7	0.15	47	7.3	10.69	48	6.7	10.84
1978	0	0.0	0.00	32	10.9	8.62	32	8.5	8.62
1979	0	0.0	0.00	13	9.1	6.35	13	6.6	6.35
1983	0	0.0	0.00	1	3.7	0.19	1	1.3	0.19
1985	0	0.0	0.00	1	0.3	0.23	1	0.1	0.23
TOTAL	1	0.1	0.15	94	6.3	26.08	95	4.6	26.23
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	1	0.2	0.30	1	0.1	0.30
1978	0	0.0	0.00	6	2.0	5.08	6	1.6	5.08
1981	0	0.0	0.00	1	4.8	0.57	1	0.9	0.57
1984	0	0.0	0.00	1	2.3	0.80	1	1.0	0.80
1985	0	0.0	0.00	13	3.3	13.98	13	1.9	13.98
TOTAL	0	0.0	0.00	22	1.6	20.73	22	1.1	20.73
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	1	0.2	0.64	1	0.1	0.64
1986	1	0.7	0.42	0	0.0	0.00	1	0.6	0.42
TOTAL	1	0.5	0.42	1	0.1	0.64	2	0.2	1.06
<b>SUCKERMOUTH MINNOW</b>									
1978	1	1.2	0.88	5	1.7	2.53	6	1.6	3.41
1983	2	4.0	1.34	0	0.0	0.00	2	2.6	1.34
1985	1	0.4	1.50	0	0.0	0.00	1	0.1	1.50
TOTAL	4	1.0	3.72	5	0.7	2.53	9	0.8	6.25
<b>BLUNTNOSE MINNOW</b>									
1977	2	2.8	5.28	31	4.8	19.57	33	4.6	24.85
1978	7	8.5	13.03	143	48.8	314.99	150	40.0	328.02
1979	4	7.4	19.57	4	2.8	2.83	8	4.1	22.40
1984	0	0.0	0.00	2	4.5	1.88	2	2.1	1.88
1985	51	18.0	105.97	66	16.6	43.99	117	17.2	149.96
1986	27	19.4	42.12	33	78.6	30.32	60	33.1	72.44
TOTAL	91	13.3	185.97	279	17.9	413.58	370	16.5	599.55
<b>FATHEAD MINNOW</b>									
1978	0	0.0	0.00	1	0.3	1.62	1	0.3	1.62
TOTAL	0	0.0	0.00	1	0.3	1.62	1	0.3	1.62

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	43	6.7	33.95	8.0	55	7.6	66.96	0.4
	1978	5	6.1	12.32	0.2	2	0.7	4.89	1.0	7	1.9	17.21	0.2
	1979	1	1.9	5.08	0.1	0	0.0	0.00	0.0	1	0.5	5.08	0.1
	1984	2	3.8	8.31	0.1	0	0.0	0.00	0.0	2	2.1	8.31	0.1
	1985	12	4.2	31.19	0.2	6	1.5	12.22	4.7	18	2.6	43.41	0.3
	TOTAL	32	5.8	89.91	0.2	51	3.4	51.06	3.9	83	4.0	140.97	0.2
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0
	TOTAL	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.1	466.50	2.9
	1978	9	11.0	3674.00	45.6	0	0.0	0.00	0.0	9	2.4	3674.00	43.1
	1979	5	9.3	1748.00	34.0	0	0.0	0.00	0.0	5	2.5	1748.00	33.3
	1981	2	2.1	990.00	6.0	0	0.0	0.00	0.0	2	1.7	990.00	5.9
	1982	1	2.9	600.00	5.4	0	0.0	0.00	0.0	1	2.6	600.00	5.4
	1983	14	28.0	9020.00	60.4	0	0.0	0.00	0.0	14	18.2	9020.00	60.4
	1984	5	9.4	2900.00	29.3	0	0.0	0.00	0.0	5	5.2	2900.00	29.2
	1985	3	1.1	2295.00	14.1	0	0.0	0.00	0.0	3	0.4	2295.00	13.8
	1986	1	0.7	700.00	4.7	0	0.0	0.00	0.0	1	0.6	700.00	4.7
	TOTAL	41	4.8	22393.50	19.9	0	0.0	0.00	0.0	41	1.7	22393.50	19.6
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.1	275.00	1.7
	1981	1	1.1	325.00	2.0	0	0.0	0.00	0.0	1	0.9	325.00	2.0
	1983	1	2.0	250.00	1.7	0	0.0	0.00	0.0	1	1.3	250.00	1.7
	TOTAL	3	1.2	850.00	1.8	0	0.0	0.00	0.0	3	0.3	850.00	1.8
NORTHERN HOGSUCKER	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.1	377.50	2.3
	1981	4	4.3	1685.00	10.2	0	0.0	0.00	0.0	4	3.5	1685.00	10.1
	1982	2	5.9	1140.00	10.2	0	0.0	0.00	0.0	2	5.3	1140.00	10.2
	1983	1	2.0	400.00	2.7	0	0.0	0.00	0.0	1	1.3	400.00	2.7
	1984	5	9.4	3400.00	34.4	0	0.0	0.00	0.0	5	5.2	3400.00	34.2
	1985	8	2.8	3696.70	22.7	1	0.3	1.24	0.5	9	1.3	3697.94	22.3
	1986	1	0.7	670.00	4.5	0	0.0	0.00	0.0	1	0.6	670.00	4.5
TOTAL	22	3.0	11369.20	11.4	1	0.1	1.24	0.1	23	1.2	11370.44	11.3	

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
SILVER REDHORSE	1979	1	1.9	1505.00	29.3	0	0	0.0	1505.00
	1981	1	1.1	1410.00	8.5	0	0	0.0	1410.00
	1982	2	5.9	1765.00	15.8	0	0	0.0	1765.00
	1983	1	2.0	891.00	6.0	0	0	0.0	891.00
	1985	2	0.7	4.68	0.0	0	0	0.0	4.68
	1986	1	0.7	695.00	4.6	0	0	0.0	695.00
TOTAL		8	1.2	6270.68	7.9	0	0	0.0	6270.68
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0	0.0	63.00
	1978	1	1.2	165.00	2.1	0	0	0.0	165.00
	1981	4	4.3	5325.00	32.2	0	0	0.0	5325.00
	1986	4	2.9	88.00	0.6	0	0	0.0	88.00
	TOTAL	10	2.6	5641.00	10.2	0	0	0.0	5641.00
							10	0.7	5641.00
BLACK REDHORSE	1983	1	2.0	450.00	3.0	0	0	0.0	450.00
	1985	2	0.7	4.39	0.0	0	0	0.0	4.39
	TOTAL	3	0.9	454.39	1.5	0	0	0.0	454.39
							3	0.4	454.39
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0	0.0	1394.00
	1978	1	1.2	830.00	10.3	1	0.3	1.34	831.34
	1979	4	7.4	98.00	1.9	0	0.0	0.00	98.00
	1981	3	3.2	629.00	3.8	0	0.0	0.00	629.00
	1982	3	8.8	700.00	6.3	0	0.0	0.00	700.00
	1984	2	3.8	1355.00	13.7	0	0.0	0.00	1355.00
	1985	25	8.8	1028.45	6.3	26	6.5	28.48	1056.93
	1986	13	9.4	3211.03	21.4	0	0.0	0.00	3211.03
	TOTAL	56	6.8	9245.48	9.5	27	1.7	29.82	9275.30
							83	3.4	9275.30
							5	0.6	1394.00
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	1525.50
	1981	6	6.4	1623.00	9.8	0	0.0	0.00	1623.00
	1985	13	4.6	22.42	0.1	6	1.5	7.94	30.36
	1986	2	1.4	40.42	0.3	0	0.0	0.00	40.42
	TOTAL	25	4.2	3211.34	5.1	6	0.5	7.94	3219.28
							31	1.8	3219.28
							4	0.5	1525.50
							6	5.2	1623.00
							19	2.8	30.36
							2	1.1	40.42
							31	1.8	3219.28

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	WT	%WT	NO.	%NO.	WT(G)	%WT
<b>UNIDENTIFIED REDHORSE</b>									
1977	3	4.1	9.70	0.1	1.3	3	0.5	5.45	1.5
1978	1	1.2	0.66	0.0	1.1	6	2.0	5.19	1.1
1979	1	1.9	0.92	0.0	0.0	0	0.0	0.00	0.0
1983	2	4.0	1.48	0.0	0.0	0	0.0	0.00	0.0
TOTAL	7	2.7	12.76	0.0	10.64	9	0.8	10.64	1.0
<b>CHANNEL CATFISH</b>									
1977	1	0.7	300.00	1.9	0.0	0	0.0	0.00	0.0
1985	1	0.4	2110.00	12.9	0.0	0	0.0	0.00	0.0
1986	1	0.7	4082.00	27.2	0.0	0	0.0	0.00	0.0
TOTAL	3	0.5	6492.00	13.8	0.0	0	0.0	0.00	0.0
<b>STONECAT</b>									
1977	1	1.4	24.50	0.2	0.0	0	0.0	0.00	0.0
1984	3	5.7	22.98	0.2	0.0	0	0.0	0.00	0.0
TOTAL	4	3.2	47.48	0.2	0.0	0	0.0	0.00	0.0
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	0	0.0	0.00	0.0	0.1	1	0.2	0.62	0.1
1978	0	0.0	0.00	0.0	0.1	1	0.3	0.26	0.1
1986	0	0.0	0.00	0.0	0.6	1	2.4	0.21	0.6
TOTAL	0	0.0	0.00	0.0	1.09	3	0.3	1.09	0.1
<b>BROOK SILVERSIDE</b>									
1977	0	0.0	0.00	0.0	1.5	10	1.6	6.20	1.5
1985	1	0.4	0.52	0.0	0.39	2	0.5	0.39	0.1
1986	3	2.2	5.87	0.0	3.17	2	4.8	8.4	8.4
TOTAL	4	0.8	6.39	0.0	9.76	14	1.3	9.76	1.4
<b>ROCK BASS</b>									
1977	4	4.8	186.22	1.2	11.88	7	1.1	11.88	2.8
1978	2	2.4	18.78	0.2	0.00	0	0.0	0.00	0.0
1979	5	9.3	264.31	5.1	0.00	0	0.0	0.00	0.0
1981	8	8.5	849.00	5.1	0.00	0	0.0	0.00	0.0
1982	2	5.9	192.00	1.7	0.00	0	0.0	0.00	0.0
1983	2	4.0	122.00	0.8	0.00	0	0.0	0.00	0.0
1984	1	1.9	205.00	2.1	0.00	0	0.0	0.00	0.0
1985	16	5.6	635.87	3.9	0.49	1	0.3	0.49	0.2
1986	7	5.0	661.00	4.4	0.00	0	0.0	0.00	0.0
TOTAL	47	5.4	3134.18	2.8	12.37	8	0.5	12.37	0.8
<b>UNIDENTIFIED REDHORSE</b>									
1977	6	0.8	15.15	0.1	15.15	6	0.8	15.15	0.1
1978	7	1.9	5.85	0.1	5.85	7	1.9	5.85	0.1
1979	1	0.5	0.92	0.0	0.92	1	0.5	0.92	0.0
1983	2	2.6	1.48	0.0	1.48	2	2.6	1.48	0.0
TOTAL	16	1.2	23.40	0.1	23.40	16	1.2	23.40	0.1
<b>CHANNEL CATFISH</b>									
1977	1	0.1	300.00	1.9	300.00	1	0.1	300.00	1.9
1985	1	0.1	2110.00	12.7	2110.00	1	0.1	2110.00	12.7
1986	1	0.6	4082.00	27.1	4082.00	1	0.6	4082.00	27.1
TOTAL	3	0.2	6492.00	13.6	6492.00	3	0.2	6492.00	13.6
<b>STONECAT</b>									
1977	1	0.1	24.50	0.2	24.50	1	0.1	24.50	0.2
1984	3	3.1	22.98	0.2	22.98	3	3.1	22.98	0.2
TOTAL	4	0.5	47.48	0.2	47.48	4	0.5	47.48	0.2
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	1	0.1	0.62	0.1	0.62	1	0.1	0.62	0.0
1978	1	0.3	0.26	0.1	0.26	1	0.3	0.26	0.0
1986	1	0.6	0.21	0.6	0.21	1	0.6	0.21	0.0
TOTAL	3	0.2	1.09	0.1	1.09	3	0.2	1.09	0.0
<b>BROOK SILVERSIDE</b>									
1977	10	1.4	6.20	1.5	6.20	10	1.4	6.20	0.0
1985	3	0.4	0.91	0.0	0.91	3	0.4	0.91	0.0
1986	5	2.8	9.04	0.1	9.04	5	2.8	9.04	0.1
TOTAL	18	1.1	16.15	0.0	16.15	18	1.1	16.15	0.0
<b>ROCK BASS</b>									
1977	11	1.5	198.10	1.2	198.10	11	1.5	198.10	1.2
1978	2	0.5	18.78	0.2	18.78	2	0.5	18.78	0.2
1979	5	2.5	264.31	5.0	264.31	5	2.5	264.31	5.0
1981	8	7.0	849.00	5.1	849.00	8	7.0	849.00	5.1
1982	2	5.3	192.00	1.7	192.00	2	5.3	192.00	1.7
1983	2	2.6	122.00	0.8	122.00	2	2.6	122.00	0.8
1984	1	1.0	205.00	2.1	205.00	1	1.0	205.00	2.1
1985	17	2.5	636.36	3.8	636.36	17	2.5	636.36	3.8
1986	7	3.9	661.00	4.4	661.00	7	3.9	661.00	4.4
TOTAL	55	2.2	3146.55	2.8	3146.55	55	2.2	3146.55	2.8



APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----			-----SEINING-----			-----TOTAL-----		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
<b>GREEN SUNFISH</b>									
1977	0	0.0	0.00	0.0	1	0.2	0.46	0.1	0.0
1978	1	1.2	7.00	0.1	0	0.0	0.00	0.0	0.1
1979	3	5.6	26.00	0.5	0	0.0	0.00	0.0	0.5
1981	31	33.0	652.00	3.9	1	4.8	1.70	1.5	3.9
1982	12	35.3	298.00	2.7	0	0.0	0.00	0.0	2.7
1983	1	2.0	27.00	0.2	0	0.0	0.00	0.0	0.2
1984	13	24.5	482.60	4.9	0	0.0	0.00	0.0	4.9
1985	28	9.9	1146.87	7.0	0	0.0	0.00	0.0	6.9
1986	27	19.4	603.20	4.0	0	0.0	0.00	0.0	4.0
TOTAL	116	13.4	3242.67	2.9	2	0.1	2.16	0.1	2.8
<b>PUMPKINSEED</b>									
1981	1	1.1	45.00	0.3	0	0.0	0.00	0.0	0.3
TOTAL	1	1.1	45.00	0.3	0	0.0	0.00	0.0	0.3
<b>ORANGESPOTTED SUNFISH</b>									
1977	0	0.0	0.00	0.0	24	3.7	7.42	1.7	0.0
1981	8	8.5	31.00	0.2	0	0.0	0.00	0.0	0.2
1983	3	6.0	53.00	0.4	0	0.0	0.00	0.0	0.4
1985	18	6.3	230.10	1.4	0	0.0	0.00	0.0	1.4
TOTAL	29	5.8	314.10	0.5	24	2.2	7.42	0.9	0.5
<b>BLUEGILL</b>									
1977	0	0.0	0.00	0.0	5	0.8	1.64	0.4	0.0
1978	1	1.2	10.00	0.1	1	0.3	6.96	1.5	0.2
1981	1	1.1	2.00	0.0	0	0.0	0.00	0.0	0.0
1982	1	2.9	52.00	0.5	0	0.0	0.00	0.0	0.5
1983	3	6.0	181.00	1.2	0	0.0	0.00	0.0	1.2
1984	4	7.5	306.00	3.1	0	0.0	0.00	0.0	3.1
1985	8	2.8	607.00	3.7	0	0.0	0.00	0.0	3.7
1986	6	4.3	199.00	1.3	0	0.0	0.00	0.0	1.3
TOTAL	24	3.0	1357.00	1.3	6	0.4	8.60	0.6	1.3
<b>CENTRAL LONGEAR SUNFISH</b>									
1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	0.1
TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	0.1

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----			-----SEINING-----			-----TOTAL-----		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	6	0.9	2.27	0.5
	1978	8	9.8	108.85	1.4	0	0.0	0.00	0.0
	1979	8	14.8	151.53	3.0	0	0.0	0.00	0.0
	1981	2	2.1	58.00	0.4	0	0.0	0.00	0.0
	1982	3	8.8	90.00	0.8	0	0.0	0.00	0.0
	1983	1	2.0	6.00	0.0	0	0.0	0.00	0.0
	1985	32	11.3	288.96	1.8	2	0.5	16.36	6.3
TOTAL	1986	8	5.8	67.77	0.5	0	0.0	0.00	0.0
	TOTAL	65	8.0	822.11	0.8	8	0.5	18.63	1.3
GREEN SUNFISH X BLUEGILL	1977	1	2.9	60.00	0.5	0	0.0	0.00	0.0
	1984	1	1.9	118.00	1.2	0	0.0	0.00	0.0
	TOTAL	2	2.3	178.00	0.8	0	0.0	0.00	0.0
GREEN X LONGEAR SUNFISH	1981	1	1.1	14.00	0.1	0	0.0	0.00	0.0
	TOTAL	1	1.1	14.00	0.1	0	0.0	0.00	0.0
UNIDENTIFIED SUNFISH	1979	0	0.0	0.00	0.0	2	1.4	0.21	0.2
	TOTAL	0	0.0	0.00	0.0	2	1.4	0.21	0.2
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	0	0.0	0.00	0.0
	1978	10	12.2	1319.43	16.4	0	0.0	0.00	0.0
	1979	9	16.7	843.55	16.4	1	0.7	2.59	2.2
	1981	5	5.3	620.00	3.7	0	0.0	0.00	0.0
	1982	1	2.9	215.00	1.9	0	0.0	0.00	0.0
	1983	5	10.0	542.00	3.6	0	0.0	0.00	0.0
	1984	8	15.1	396.00	4.0	0	0.0	0.00	0.0
	1985	26	9.2	1591.90	9.8	2	0.5	3.85	1.5
	1986	12	8.6	2019.00	13.5	0	0.0	0.00	0.0
	TOTAL	93	10.8	11513.80	10.2	3	0.2	6.44	0.4
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0
	1978	9	11.0	46.83	0.6	2	0.7	8.35	1.7
	1979	1	1.9	3.88	0.1	0	0.0	0.00	0.0
	1982	1	2.9	2.00	0.0	0	0.0	0.00	0.0
	1984	2	3.8	195.00	2.0	1	2.3	2.32	6.6
	1985	9	3.2	677.08	4.1	0	0.0	0.00	0.0
	1986	6	4.3	1095.62	7.3	0	0.0	0.00	0.0
	TOTAL	29	4.0	2221.41	2.7	3	0.2	10.67	0.8
LARGEMOUTH BASS	1977	1	0.1	201.00	1.2	1	0.1	201.00	1.2
	1978	9	11.0	46.83	0.6	2	0.7	8.35	1.7
	1979	1	1.9	3.88	0.1	0	0.0	0.00	0.0
	1982	1	2.9	2.00	0.0	0	0.0	0.00	0.0
	1984	2	3.8	195.00	2.0	1	2.3	2.32	6.6
	1985	9	3.2	677.08	4.1	0	0.0	0.00	0.0
	1986	6	4.3	1095.62	7.3	0	0.0	0.00	0.0
	TOTAL	29	4.0	2221.41	2.7	3	0.2	10.67	0.8
	1977	1	0.1	201.00	1.2	1	0.1	201.00	1.2
	1978	9	11.0	46.83	0.6	2	0.7	8.35	1.7
	1979	1	1.9	3.88	0.1	0	0.0	0.00	0.0
	1982	1	2.9	2.00	0.0	0	0.0	0.00	0.0
	1984	2	3.8	195.00	2.0	1	2.3	2.32	6.6
	1985	9	3.2	677.08	4.1	0	0.0	0.00	0.0
	1986	6	4.3	1095.62	7.3	0	0.0	0.00	0.0
	TOTAL	29	4.0	2221.41	2.7	3	0.2	10.67	0.8

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
<b>WHITE CRAPPIE</b>									
1977	1	0.7	65.00	0.4	0.9	6	0.9	3.36	0.8
1978	0	0.0	0.00	0.0	1	0.3	1.53	0.3	0.4
1979	2	3.7	190.00	3.7	3	2.1	1.92	1.7	0.0
1981	3	3.2	316.00	1.9	0	0.0	0.00	0.0	3.7
1984	1	1.9	35.00	0.4	0	0.0	0.00	0.0	1.9
1985	1	0.4	121.00	0.7	0	0.0	0.00	0.0	0.4
TOTAL	8	1.2	727.00	1.0	10	0.6	6.81	0.5	0.7
<b>BLACK CRAPPIE</b>									
1977	1	0.7	64.00	0.4	12	1.9	40.54	9.6	1.0
1978	0	0.0	0.00	0.0	5	1.7	7.63	1.6	0.6
1979	0	0.0	0.00	0.0	1	0.7	1.04	0.9	0.1
1981	1	1.1	15.00	0.1	1	4.8	80.00	69.1	1.3
TOTAL	2	0.5	79.00	0.2	19	1.7	129.21	11.4	0.5
<b>JOHNNY DARTER</b>									
1978	0	0.0	0.00	0.0	10	3.4	3.89	0.8	0.0
1985	0	0.0	0.00	0.0	4	1.0	2.30	0.9	0.0
1986	0	0.0	0.00	0.0	1	2.4	0.24	0.6	0.0
TOTAL	0	0.0	0.00	0.0	15	2.0	6.43	0.8	0.0
<b>YELLOW PERCH</b>									
1978	1	1.2	18.00	0.2	0	0.0	0.00	0.0	0.0
TOTAL	1	1.2	18.00	0.2	0	0.0	0.00	0.0	0.2
<b>BLACKSIDE DARTER</b>									
1981	0	0.0	0.00	0.0	1	4.8	0.39	0.3	0.0
1985	2	0.7	2.41	0.0	4	1.0	3.68	1.4	0.0
TOTAL	2	0.5	2.41	0.0	5	1.2	4.07	1.1	0.0
<b>SLENDERHEAD DARTER</b>									
1985	0	0.0	0.00	0.0	2	0.5	2.36	0.9	0.0
TOTAL	0	0.0	0.00	0.0	2	0.5	2.36	0.9	0.0
<b>WALLEYE</b>									
1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	0.1
1981	1	1.1	281.00	1.7	0	0.0	0.00	0.0	1.7
1985	1	0.4	790.00	4.8	0	0.0	0.00	0.0	4.8
TOTAL	3	0.6	1091.00	2.2	0	0.0	0.00	0.0	2.2

APPENDIX D-6. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1978	1	0.6	17.00	0	0.0	0.00	1	0.5	17.00
1981	1	1.0	4.00	0	0.0	0.00	1	0.8	4.00
1982	1	1.9	2.00	0	0.0	0.00	1	1.4	2.00
1985	0	0.0	0.00	3	1.0	80.00	3	0.8	80.00
TOTAL	3	0.7	23.00	3	0.8	80.00	6	0.7	103.00
<b>GIZZARD SHAD</b>									
1977	2	1.3	22.70	4	0.4	3.86	6	0.5	26.56
1978	4	2.3	44.00	0	0.0	0.00	4	1.8	44.00
1979	0	0.0	0.00	1	1.4	0.54	1	0.7	0.54
1984	2	2.9	1370.00	0	0.0	0.00	2	0.6	1370.00
TOTAL	8	1.7	1436.70	5	0.3	4.40	13	0.7	1441.10
<b>GRASS PICKEREL</b>									
1977	1	0.4	7.00	3	0.3	44.32	4	0.3	51.32
1978	4	2.3	137.00	2	4.4	9.00	6	2.8	146.00
1979	1	1.3	9.00	0	0.0	0.00	1	0.7	9.00
1981	3	3.1	34.00	2	7.4	18.88	5	4.0	52.88
1983	0	0.0	0.00	2	10.0	10.82	2	2.7	10.82
1984	1	1.5	2.91	0	0.0	0.00	1	0.3	2.91
1985	1	1.0	93.00	0	0.0	0.00	1	0.3	93.00
1986	1	0.5	42.00	0	0.0	0.00	1	0.3	42.00
TOTAL	12	1.3	324.91	9	0.5	83.02	21	0.7	407.93
<b>NORTHERN PIKE</b>									
1977	1	0.8	283.00	0	0.0	0.00	1	0.1	283.00
1978	1	0.6	65.00	0	0.0	0.00	1	0.5	65.00
1982	1	1.9	350.00	0	0.0	0.00	1	1.4	350.00
TOTAL	3	0.9	698.00	0	0.0	0.00	3	0.2	698.00
<b>CENTRAL STONEROLLER</b>									
1977	1	0.4	1.39	0	0.0	0.00	1	0.0	1.39
TOTAL	1	0.4	1.39	0	0.0	0.00	1	0.0	1.39
<b>CARP</b>									
1977	2	1.3	1547.50	0	0.0	0.00	2	0.1	1547.50
1978	2	1.2	3125.00	0	0.0	0.00	2	0.9	3125.00
1979	1	1.3	735.00	0	0.0	0.00	1	0.7	735.00
1981	9	9.2	5876.00	0	0.0	0.00	9	7.2	5876.00
1982	3	5.8	2930.00	0	0.0	0.00	3	4.3	2930.00
1983	3	5.6	4690.00	0	0.0	0.00	3	4.1	4690.00
1984	1	1.5	595.00	0	0.0	0.00	1	0.3	595.00
TOTAL	21	3.2	19498.50	0	0.0	0.00	21	0.9	19498.50

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
HORNYHEAD CHUB	1977	0	0.0	0	0.0	0.00	1	0.1	0.44
	1979	0	0.0	0	0.0	0.00	1	1.4	0.49
	1985	0	0.0	0	0.0	0.00	1	0.3	0.30
	TOTAL	0	0.0	0	0.0	0.00	3	0.2	1.23
GOLDEN SHINER	1984	0	0.0	0	0.0	0.00	1	0.3	0.52
	TOTAL	0	0.0	0	0.0	0.00	1	0.3	0.52
EMERALD SHINER	1977	0	0.0	0	0.0	0.00	1	0.1	0.32
	1983	1	1.9	0	0.0	2.84	0	0.0	0.00
	1985	0	0.0	0	0.0	0.00	2	0.7	0.19
	TOTAL	1	0.4	0	0.0	2.84	3	0.2	0.51
STRIPED SHINER	1977	0	0.0	0	0.0	0.00	21	2.0	12.68
	1978	0	0.0	0	0.0	0.00	14	31.1	5.61
	1979	0	0.0	0	0.0	0.00	2	2.8	0.41
	1982	0	0.0	0	0.0	0.00	10	58.8	3.65
	1984	0	0.0	0	0.0	0.00	117	40.9	34.68
	1985	0	0.0	0	0.0	0.00	120	41.2	54.29
	1986	0	0.0	0	0.0	0.00	1	0.6	0.16
	TOTAL	0	0.0	0	0.0	0.00	285	14.6	111.48
BIGMOUTH SHINER	1977	0	0.0	0	0.0	0.00	1	0.1	0.95
	TOTAL	0	0.0	0	0.0	0.00	1	0.1	0.95
RED SHINER	1977	0	0.0	0	0.0	0.00	1	0.1	2.16
	TOTAL	0	0.0	0	0.0	0.00	1	0.1	2.16
ROSYFACE SHINER	1977	2	1.3	0	0.0	2.15	210	19.7	82.24
	1979	0	0.0	0	0.0	0.00	21	29.6	6.85
	1981	1	1.0	0	0.0	1.14	1	3.7	0.57
	1982	0	0.0	0	0.0	0.00	2	11.8	0.72
	1984	0	0.0	0	0.0	0.00	135	47.2	22.33
	1985	0	0.0	0	0.0	0.00	16	5.5	4.81
	TOTAL	3	0.5	0	0.0	3.29	385	21.9	117.52

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
SPOTFIN SHINER												
1977	6	4.6	17.92	0.1	215	20.2	150.23	18.5	221	18.6	168.15	0.9
1979	1	1.3	3.51	0.0	0	0.0	0.00	0.0	1	0.7	3.51	0.0
1981	0	0.0	0.00	0.0	4	14.8	4.48	3.3	4	3.2	4.48	0.0
1983	3	5.6	7.60	0.1	4	20.0	4.11	4.0	7	9.5	11.71	0.1
1984	1	1.5	3.89	0.0	5	1.7	5.14	6.8	6	1.7	9.03	0.1
1985	0	0.0	0.00	0.0	36	12.4	9.54	3.7	36	9.3	9.54	0.1
1986	7	3.6	19.01	0.1	4	2.3	3.17	0.6	11	3.0	22.18	0.1
TOTAL	18	2.5	51.93	0.1	268	13.8	176.67	8.6	286	10.8	228.60	0.2
SAND SHINER												
1977	0	0.0	0.00	0.0	18	1.7	5.87	0.7	18	1.5	5.87	0.0
1984	0	0.0	0.00	0.0	5	1.7	3.92	5.2	5	1.4	3.92	0.0
1985	0	0.0	0.00	0.0	1	0.3	0.31	0.1	1	0.3	0.31	0.0
1986	0	0.0	0.00	0.0	1	0.6	0.67	0.1	1	0.3	0.67	0.0
TOTAL	0	0.0	0.00	0.0	25	1.4	10.77	0.6	25	1.1	10.77	0.0
REDFIN SHINER												
1977	0	0.0	0.00	0.0	116	10.9	20.95	2.6	116	9.8	20.95	0.1
1979	0	0.0	0.00	0.0	1	1.4	0.72	0.5	1	0.7	0.72	0.0
1981	0	0.0	0.00	0.0	7	25.9	4.23	3.2	7	5.6	4.23	0.0
1982	0	0.0	0.00	0.0	1	5.9	0.92	11.5	1	1.4	0.92	0.0
1985	0	0.0	0.00	0.0	2	0.7	2.52	1.0	2	0.5	2.52	0.0
1986	1	0.5	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
TOTAL	1	0.2	1.00	0.0	127	7.7	29.34	1.6	128	5.6	30.34	0.0
MIMIC SHINER												
1986	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
TOTAL	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
BLUNTNOSE MINNOW												
1977	2	1.7	4.99	0.0	71	6.7	48.79	6.0	73	6.2	53.78	0.3
1978	11	6.4	24.49	0.2	24	53.3	38.03	50.2	35	16.1	62.52	0.6
1979	1	1.3	2.06	0.0	14	19.7	11.04	8.4	15	9.9	13.10	0.2
1981	3	3.1	16.43	0.1	2	7.4	0.83	0.6	5	4.0	17.26	0.1
1982	1	1.9	2.47	0.0	1	5.9	0.52	6.5	2	2.9	2.99	0.0
1983	2	3.7	3.36	0.0	4	20.0	3.94	3.8	6	8.1	7.30	0.1
1984	2	2.9	3.83	0.0	6	2.1	4.72	6.2	8	2.3	8.55	0.1
1985	1	1.0	3.68	0.0	69	23.7	37.01	14.2	70	18.0	40.69	0.4
1986	6	3.1	10.03	0.1	116	66.3	116.76	21.7	122	33.2	126.79	0.7
TOTAL	29	3.1	71.34	0.1	307	15.4	261.64	12.2	336	11.5	332.98	0.3

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BULLHEAD MINNOW</b>									
1977	3	2.5	12.10	0.1	7	0.7	2.57	0.3	14.67
1978	3	1.7	6.44	0.1	0	0.0	0.00	0.0	6.44
1979	1	1.3	4.00	0.1	0	0.0	0.00	0.0	4.00
1982	1	1.9	2.66	0.0	0	0.0	0.00	0.0	2.66
1983	0	0.0	0.00	0.0	2	10.0	0.30	0.3	0.30
1984	1	1.5	4.15	0.0	1	0.3	0.08	0.1	4.23
1985	2	2.0	8.21	0.1	0	0.0	0.00	0.0	8.21
1986	0	0.0	0.00	0.0	2	1.1	0.03	0.0	0.03
TOTAL	11	1.3	37.56	0.0	12	0.6	2.98	0.1	40.54
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	0.0	254	23.8	18.82	2.3	18.82
1978	0	0.0	0.00	0.0	1	2.2	0.04	0.1	0.04
TOTAL	0	0.0	0.00	0.0	255	23.0	18.86	2.1	18.86
<b>QUILLBACK</b>									
1977	1	0.4	295.00	1.7	0	0.0	0.00	0.0	295.00
1978	2	1.2	1490.00	13.9	0	0.0	0.00	0.0	1490.00
1979	2	2.5	1085.00	13.6	0	0.0	0.00	0.0	1085.00
1982	3	5.8	1850.00	15.3	0	0.0	0.00	0.0	1850.00
1983	7	13.0	4530.00	35.4	0	0.0	0.00	0.0	4530.00
1984	3	4.4	1400.00	13.3	0	0.0	0.00	0.0	1400.00
1985	6	6.1	3645.00	33.4	0	0.0	0.00	0.0	3645.00
1986	5	2.6	3172.00	17.5	0	0.0	0.00	0.0	3172.00
TOTAL	29	3.4	17467.00	17.4	0	0.0	0.00	0.0	17467.00
<b>WHITE SUCKER</b>									
1981	1	1.0	530.00	3.2	0	0.0	0.00	0.0	530.00
1982	1	1.9	140.00	1.2	0	0.0	0.00	0.0	140.00
TOTAL	2	1.3	670.00	2.3	0	0.0	0.00	0.0	670.00
<b>NORTHERN HOGSUCKER</b>									
1986	1	0.5	490.00	2.7	0	0.0	0.00	0.0	490.00
TOTAL	1	0.5	490.00	2.7	0	0.0	0.00	0.0	490.00
<b>SMALLMOUTH BUFFALO</b>									
1983	1	1.9	565.00	4.4	0	0.0	0.00	0.0	565.00
TOTAL	1	1.9	565.00	4.4	0	0.0	0.00	0.0	565.00

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BIGMOUTH BUFFALO	1982	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
	TOTAL	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0	0.0	0.00	0.0	1	0.0	810.00	4.5
	1978	2	1.2	101.00	0.9	0	0.0	0.00	0.0	2	0.9	101.00	0.9
	1982	1	1.9	1100.00	9.1	0	0.0	0.00	0.0	1	1.4	1100.00	9.1
	1984	2	2.9	1150.00	10.9	0	0.0	0.00	0.0	2	0.6	1150.00	10.8
	TOTAL	6	1.3	3161.00	6.3	0	0.0	0.00	0.0	6	0.3	3161.00	6.1
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.4	553.50	3.1
	1981	1	1.0	230.00	1.4	0	0.0	0.00	0.0	1	0.8	230.00	1.4
	1986	5	2.6	95.00	0.5	0	0.0	0.00	0.0	5	1.4	95.00	0.5
	TOTAL	11	2.7	878.50	1.7	0	0.0	0.00	0.0	11	0.7	878.50	1.6
BLACK REDHORSE	1983	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
	TOTAL	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
GOLDEN REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	1.8	6782.50	37.5
	1978	10	5.8	1956.05	18.3	0	0.0	0.00	0.0	10	4.6	1956.05	18.2
	1979	10	12.5	1960.00	24.6	0	0.0	0.00	0.0	10	6.6	1960.00	24.2
	1981	9	9.2	2206.00	13.1	0	0.0	0.00	0.0	9	7.2	2206.00	13.0
	1982	5	9.6	2110.00	17.5	0	0.0	0.00	0.0	5	7.2	2110.00	17.5
	1983	3	5.6	1540.00	12.0	0	0.0	0.00	0.0	3	4.1	1540.00	11.9
	1984	12	17.6	3690.00	35.0	0	0.0	0.00	0.0	12	3.4	3690.00	34.8
	1985	3	3.1	1391.00	12.8	0	0.0	0.00	0.0	3	0.8	1391.00	12.5
	1986	20	10.4	7818.46	43.2	0	0.0	0.00	0.0	20	5.4	7818.46	42.0
	TOTAL	93	9.9	29454.01	25.2	0	0.0	0.00	0.0	93	3.2	29454.01	24.7
SHORTHEAD REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	0.7	2433.50	13.5
	1978	1	0.6	32.00	0.3	0	0.0	0.00	0.0	1	0.5	32.00	0.3
	1979	2	2.5	964.00	12.1	0	0.0	0.00	0.0	2	1.3	964.00	11.9
	1981	9	9.2	3797.00	22.6	0	0.0	0.00	0.0	9	7.2	3797.00	22.4
	1982	1	1.9	360.00	3.0	0	0.0	0.00	0.0	1	1.4	360.00	3.0
	1986	3	1.6	102.00	0.6	0	0.0	0.00	0.0	3	0.8	102.00	0.5
	TOTAL	24	3.4	7688.50	9.3	0	0.0	0.00	0.0	24	1.1	7688.50	9.1



APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	0.0	3	0.3	5.71
	1978	2	1.2	1.73	0.0	0.0	0	0.0	0.00
	TOTAL	4	1.4	8.89	0.0	0.0	3	0.3	5.71
YELLOW BULLHEAD	1979	1	1.3	170.00	2.1	0.0	0	0.0	0.00
	TOTAL	1	1.3	170.00	2.1	0.0	0	0.0	0.00
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0.0	0	0.0	0.00
	1979	1	1.3	605.00	7.6	0.0	0	0.0	0.00
	TOTAL	3	1.3	1481.50	5.9	0.0	0	0.0	0.00
STONECAT	1977	1	0.4	12.50	0.1	0.0	0	0.0	0.00
	1985	1	1.0	5.57	0.1	0.0	0	0.0	0.00
	TOTAL	2	0.7	18.07	0.1	0.0	0	0.0	0.00
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	0.0	7	0.7	4.51
	1979	0	0.0	0.00	0.0	0.0	1	1.4	0.26
	1983	0	0.0	0.00	0.0	0.0	4	20.0	5.86
	1984	0	0.0	0.00	0.0	0.0	2	0.7	1.66
	1985	0	0.0	0.00	0.0	0.0	6	2.1	4.68
	TOTAL	0	0.0	0.00	0.0	0.0	20	1.2	16.97
BROOK SILVERSIDE	1977	3	2.5	3.26	0.0	0.0	55	5.2	25.99
	1984	0	0.0	0.00	0.0	0.0	14	4.9	2.51
	1985	0	0.0	0.00	0.0	0.0	17	5.8	5.49
	1986	1	0.5	1.44	0.0	0.0	0	0.0	0.00
	TOTAL	4	0.8	4.70	0.0	0.0	86	4.7	33.99
ROCK BASS	1977	14	11.7	851.92	4.9	0.0	4	0.4	2.48
	1978	9	5.2	399.00	3.7	0.0	0	0.0	0.00
	1979	13	16.3	676.00	8.5	1	1.4	56.00	42.8
	1981	8	8.2	659.00	3.9	4	14.8	9.14	6.8
	1982	6	11.5	617.00	5.1	0	0.0	0.00	0.0
	1984	3	4.4	230.00	2.2	0	0.0	0.00	0.0
	1985	8	8.2	222.13	2.0	0	0.0	0.00	0.0
	1986	35	18.1	2433.00	13.5	0	0.0	0.00	0.0
	TOTAL	96	10.9	6088.05	5.8	9	0.5	67.62	3.3
	1977	18	1.5	854.40	0.3	0.0	18	1.5	854.40
	1978	9	4.1	399.00	0.0	0.0	9	4.1	399.00
	1979	14	9.3	732.00	4.2	0.0	14	9.3	732.00
	1981	12	9.6	668.14	6.8	0.0	12	9.6	668.14
	1982	6	8.7	617.00	5.1	0.0	6	8.7	617.00
	1984	3	0.8	230.00	2.2	0.0	3	0.8	230.00
	1985	8	2.1	222.13	2.0	0.0	8	2.1	222.13
	1986	35	9.5	2433.00	13.5	0.0	35	9.5	2433.00
	TOTAL	105	3.7	6155.67	3.3	0.0	105	3.7	6155.67

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GREEN SUNFISH</b>									
1977	11	9.2	263.27	1.5	3	0.3	14	1.2	276.78
1978	30	17.3	645.63	6.0	0	0.0	30	13.8	645.63
1979	24	30.0	442.00	5.6	2	2.8	26	17.2	463.12
1981	16	16.3	248.00	1.5	0	0.0	16	12.8	248.00
1982	12	23.1	192.00	1.6	0	0.0	12	17.4	192.00
1983	8	14.8	74.25	0.6	0	0.0	8	10.8	74.25
1984	7	10.3	315.82	3.0	0	0.0	7	2.0	315.82
1985	5	5.1	365.00	3.3	0	0.0	5	1.3	365.00
1986	7	3.6	324.98	1.8	2	1.1	9	2.4	336.99
TOTAL	120	12.8	2870.95	2.5	7	0.4	127	4.3	2917.59
<b>PUMPKINSEED</b>									
1977	1	0.4	3.34	0.0	0	0.0	1	0.0	3.34
TOTAL	1	0.4	3.34	0.0	0	0.0	1	0.0	3.34
<b>ORANGESPOTTED SUNFISH</b>									
1977	1	0.8	3.03	0.0	4	0.4	5	0.4	4.38
1978	15	8.7	198.00	1.9	0	0.0	15	6.9	198.00
1979	3	3.8	46.00	0.6	0	0.0	3	2.0	46.00
1981	9	9.2	75.92	0.5	0	0.0	9	7.2	75.92
1983	2	3.7	38.00	0.3	0	0.0	2	2.7	38.00
1984	5	7.4	61.00	0.6	0	0.0	5	1.4	61.00
1985	8	8.2	95.88	0.9	0	0.0	8	2.1	95.88
1986	28	14.5	410.73	2.3	11	6.3	39	10.6	529.00
TOTAL	71	8.0	928.56	0.9	15	0.8	86	3.0	1048.18
<b>BLUEGILL</b>									
1977	1	0.4	0.92	0.0	2	0.2	3	0.2	1.60
1978	8	4.6	79.00	0.7	1	2.2	9	4.1	84.00
1979	1	1.3	15.00	0.2	0	0.0	1	0.7	15.00
1981	1	1.0	3.00	0.0	0	0.0	1	0.8	3.00
1983	1	1.9	26.00	0.2	0	0.0	1	1.4	26.00
1984	1	1.5	10.00	0.1	0	0.0	1	0.3	10.00
1986	4	2.1	203.27	1.1	4	2.3	8	2.2	215.51
TOTAL	17	2.1	337.19	0.4	7	0.4	24	0.9	355.11

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
	TOTAL	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	7	0.7	6.99	0.9	11	0.9	57.03	0.3
	1978	47	27.2	776.40	7.3	1	2.2	15.00	19.8	48	22.0	791.40	7.3
	1979	10	12.5	154.00	1.9	3	4.2	11.52	8.8	13	8.6	165.52	2.0
	1981	15	15.3	183.00	1.1	0	0.0	0.00	0.0	15	12.0	183.00	1.1
	1982	7	13.5	61.32	0.5	0	0.0	0.00	0.0	7	10.1	61.32	0.5
	1983	5	9.3	57.69	0.5	1	5.0	78.18	75.4	6	8.1	135.87	1.1
	1984	16	23.5	153.67	1.5	0	0.0	0.00	0.0	16	4.5	153.67	1.4
	1985	24	24.5	380.78	3.5	3	1.0	20.39	7.8	27	6.9	401.17	3.6
	1986	51	26.4	949.11	5.2	23	13.1	238.56	44.3	74	20.1	1187.67	6.4
	TOTAL	179	19.1	2766.01	2.4	38	1.9	370.64	17.3	217	7.4	3136.65	2.6
GREEN SUNFISH X BLUEGILL	1985	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
	TOTAL	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1981	0	0.0	0.00	0.0	1	3.7	0.12	0.1	1	0.8	0.12	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.15	1.9	1	1.4	0.15	0.0
	1983	0	0.0	0.00	0.0	3	15.0	0.49	0.5	3	4.1	0.49	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.5	0.78	0.1	6	0.4	0.78	0.0
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	1.3	2176.05	12.0
	1978	17	9.8	1434.24	13.4	0	0.0	0.00	0.0	17	7.8	1434.24	13.3
	1979	6	7.5	1013.00	12.7	0	0.0	0.00	0.0	6	4.0	1013.00	12.5
	1981	8	8.2	2524.00	15.0	1	3.7	0.21	0.2	9	7.2	2524.21	14.9
	1982	6	11.5	1702.00	14.1	0	0.0	0.00	0.0	6	8.7	1702.00	14.1
	1983	17	31.5	875.11	6.8	0	0.0	0.00	0.0	17	23.0	875.11	6.8
	1984	9	13.2	1523.00	14.5	0	0.0	0.00	0.0	9	2.5	1523.00	14.4
	1985	36	36.7	3369.67	30.9	10	3.4	31.05	11.9	46	11.8	3400.72	30.5
	1986	13	6.7	1585.00	8.8	0	0.0	0.00	0.0	13	3.5	1585.00	8.5
	TOTAL	128	13.6	16202.07	13.8	11	0.6	31.26	1.5	139	4.7	16233.33	13.6

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	3	0.3	40.97	5.0
	1978	4	2.3	161.78	1.5	1	2.2	2.74	3.6
	1979	0	0.0	0.00	0.0	1	1.4	3.19	2.4
	1981	3	3.1	345.00	2.1	2	7.4	55.35	41.3
	1982	2	3.8	192.84	1.6	1	5.9	1.58	19.8
	1984	2	2.9	20.00	0.2	0	0.0	0.00	0.0
	1985	2	2.0	1230.00	11.3	4	1.4	9.17	3.5
TOTAL	1986	4	2.1	421.00	2.3	0	0.0	0.00	0.0
		18	2.0	2379.41	2.3	12	0.6	113.00	5.6
WHITE GRAPPIE	1977	0	0.0	0.00	0.0	4	0.4	6.89	0.8
	1979	1	1.3	54.00	0.7	11	15.5	7.54	5.8
	1981	1	1.0	56.00	0.3	1	3.7	20.00	14.9
	1982	0	0.0	0.00	0.0	1	5.9	0.46	5.8
	1986	0	0.0	0.00	0.0	1	0.6	15.01	2.8
	TOTAL	2	0.4	110.00	0.2	18	1.3	49.90	3.1
BLACK GRAPPIE	1977	1	0.4	4.00	0.0	40	3.8	275.93	34.0
	1979	1	1.3	18.00	0.2	9	12.7	9.47	7.2
	1981	0	0.0	0.00	0.0	2	7.4	20.25	15.1
	1986	0	0.0	0.00	0.0	1	0.6	17.54	3.3
	TOTAL	2	0.3	22.00	0.0	52	3.9	323.19	20.0
JOHNNY DARTER	1978	0	0.0	0.00	0.0	1	2.2	0.33	0.4
	1979	0	0.0	0.00	0.0	1	1.4	0.16	0.1
	1986	0	0.0	0.00	0.0	7	4.0	3.09	0.6
	TOTAL	0	0.0	0.00	0.0	9	3.1	3.58	0.5
BANDED DARTER	1977	0	0.0	0.00	0.0	7	0.7	2.15	0.3
	TOTAL	0	0.0	0.00	0.0	7	0.7	2.15	0.3
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	2	2.8	1.62	1.2
	1985	0	0.0	0.00	0.0	1	0.3	0.86	0.3
	TOTAL	0	0.0	0.00	0.0	3	0.8	2.48	0.6

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
SLENDERHEAD DARTER	1986	1	0.5	2.01	0.0	0.0	1	0.3	2.01
	TOTAL	1	0.5	2.01	0.0	0.0	1	0.3	2.01
WALLEYE	1977	2	1.3	62.00	0.4	0.0	2	0.1	62.00
	TOTAL	2	1.3	62.00	0.4	0.0	2	0.1	62.00

APPENDIX D-7. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1977	1	0.7	45.00	0	0.0	0.00	1	0.2	45.00
1978	1	0.9	29.00	1	2.1	5.92	2	1.3	34.92
1979	1	1.4	22.00	0	0.0	0.00	1	0.5	22.00
1985	0	0.0	0.00	1	0.7	50.00	1	0.4	50.00
TOTAL	3	0.7	96.00	2	0.4	55.92	5	0.5	151.92
<b>GIZZARD SHAD</b>									
1977	2	2.1	9.88	0	0.0	0.00	4	1.1	10.81
1978	18	16.5	116.66	0	0.0	0.00	18	11.5	116.66
1981	2	2.6	99.00	0	0.0	0.00	2	1.7	99.00
1986	2	1.5	34.00	0	0.0	0.00	2	1.0	34.00
TOTAL	24	5.9	259.54	2	0.5	0.93	26	3.3	260.47
<b>GRASS PICKEREL</b>									
1977	1	0.7	6.00	0	0.0	0.00	1	0.2	6.00
1978	3	2.8	10.00	0	0.0	0.00	3	1.9	10.00
1979	2	2.8	24.00	0	0.0	0.00	2	1.0	24.00
1981	3	3.8	44.00	1	2.7	2.64	4	3.5	46.64
1982	0	0.0	0.00	1	4.5	2.00	1	1.5	2.00
TOTAL	9	2.3	84.00	2	0.4	4.64	11	1.2	88.64
<b>NORTHERN PIKE</b>									
1984	1	1.1	80.00	0	0.0	0.00	1	0.8	80.00
TOTAL	1	1.1	80.00	0	0.0	0.00	1	0.8	80.00
<b>CARP</b>									
1977	3	4.1	6565.00	0	0.0	0.00	3	0.9	6565.00
1978	1	0.9	410.00	0	0.0	0.00	1	0.6	410.00
1979	1	1.4	910.00	0	0.0	0.00	1	0.5	910.00
1981	2	2.6	6.00	0	0.0	0.00	2	1.7	6.00
1982	4	9.1	6620.00	0	0.0	0.00	4	6.1	6620.00
1983	1	3.3	1455.00	0	0.0	0.00	1	1.2	1455.00
TOTAL	12	3.0	15966.00	0	0.0	0.00	12	1.3	15966.00
<b>HORNHEAD CHUB</b>									
1977	0	0.0	0.00	2	0.8	0.75	2	0.6	0.75
1978	0	0.0	0.00	2	4.3	0.55	2	1.3	0.55
1979	0	0.0	0.00	2	1.6	0.65	2	1.0	0.65
TOTAL	0	0.0	0.00	6	1.4	1.95	6	0.9	1.95

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
GOLDEN SHINER	1981	1	1.3	3.00	0.0	0.0	0.00	0.0	3.00
	TOTAL	1	1.3	3.00	0.0	0.0	0.00	0.0	3.00
EMERALD SHINER	1986	1	0.7	7.42	0.1	0.0	0.00	0.0	7.42
	TOTAL	1	0.7	7.42	0.1	0.0	0.00	0.0	7.42
STRIPED SHINER	1977	0	0.0	0.00	0.0	0.0	0.62	0.4	0.62
	1978	0	0.0	0.00	0.0	0.0	3.65	14.1	3.65
	1979	0	0.0	0.00	0.0	0.0	0.27	0.2	0.27
	1983	0	0.0	0.00	0.0	0.0	8.46	22.7	8.46
	1985	3	2.8	2.00	0.0	0.0	21.41	7.2	23.41
	TOTAL	3	0.8	2.00	0.0	0.0	34.41	5.5	36.41
RED SHINER	1979	0	0.0	0.00	0.0	0.0	1.48	1.3	1.48
	TOTAL	0	0.0	0.00	0.0	0.0	1.48	1.3	1.48
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	0.0	10.51	6.9	10.51
	1978	3	2.8	1.98	0.1	0.0	0.00	0.0	1.98
	1979	0	0.0	0.00	0.0	0.0	0.63	0.5	0.63
	1981	0	0.0	0.00	0.0	0.0	1.70	1.0	1.70
	1982	0	0.0	0.00	0.0	0.0	3.54	9.2	3.54
	1983	2	6.7	0.91	0.0	0.0	0.00	0.0	0.91
	1985	2	1.8	1.24	0.0	0.0	12.76	4.3	14.00
	TOTAL	7	1.4	4.13	0.0	0.0	29.14	3.5	33.27
SPOTFIN SHINER	1977	11	15.2	50.99	0.3	0.0	85.98	56.4	136.97
	1978	3	2.8	7.94	0.2	0.0	4.57	17.7	12.51
	1979	5	6.9	18.88	0.6	0.0	78.76	68.2	97.64
	1981	3	3.8	9.05	0.1	0.0	25.34	15.4	34.39
	1982	0	0.0	0.00	0.0	0.0	1.64	4.3	1.64
	1983	0	0.0	0.00	0.0	0.0	27.77	74.4	27.77
	1984	17	18.5	36.17	0.5	0.0	28.50	49.9	64.67
	1985	0	0.0	0.00	0.0	0.0	32.79	11.1	32.79
	1986	5	3.6	4.17	0.0	0.0	14.74	3.6	18.91
	TOTAL	44	5.9	127.20	0.1	0.0	300.09	23.2	427.29

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	---ELECTROFISHING---			---SEINING---			---TOTAL---		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SAND SHINER</b>									
1977	1	0.7	0.15	14	5.6	6.29	15	4.5	6.44
1978	0	0.0	0.00	8	17.0	2.12	8	5.1	2.12
1979	0	0.0	0.00	5	4.0	2.35	5	2.6	2.35
1981	0	0.0	0.00	1	2.7	1.28	1	0.9	1.28
1984	0	0.0	0.00	1	3.8	0.13	1	0.8	0.13
1986	0	0.0	0.00	5	9.3	2.18	5	2.6	2.18
TOTAL	1	0.1	0.15	34	6.3	14.35	35	3.1	14.50
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	2	0.8	0.38	2	0.6	0.38
1978	0	0.0	0.00	1	2.1	1.15	1	0.6	1.15
1981	0	0.0	0.00	8	21.6	4.00	8	7.0	4.00
1982	0	0.0	0.00	3	13.6	2.94	3	4.5	2.94
TOTAL	0	0.0	0.00	14	4.0	8.47	14	2.1	8.47
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	1	0.4	0.13	1	0.3	0.13
1981	0	0.0	0.00	1	2.7	0.40	1	0.9	0.40
1986	0	0.0	0.00	1	1.9	0.34	1	0.5	0.34
TOTAL	0	0.0	0.00	3	0.9	0.87	3	0.5	0.87
<b>SUCKERMOUTH MINNOW</b>									
1978	0	0.0	0.00	1	2.1	0.28	1	0.6	0.28
1979	0	0.0	0.00	2	1.6	1.17	2	1.0	1.17
TOTAL	0	0.0	0.00	3	1.8	1.45	3	0.9	1.45
<b>BLUNTNose MINNOW</b>									
1977	2	2.8	5.28	13	5.2	11.48	15	4.7	16.76
1978	1	0.9	4.00	12	25.5	4.72	13	8.3	8.72
1979	5	6.9	21.66	7	5.6	11.72	12	6.1	33.38
1983	0	0.0	0.00	1	1.9	0.54	1	1.2	0.54
1984	2	2.2	4.43	0	0.0	0.00	2	1.7	4.43
1985	8	7.3	19.32	13	9.7	11.17	21	8.6	30.49
1986	5	3.6	7.92	16	29.6	12.34	21	11.0	20.26
TOTAL	23	3.7	62.61	62	9.1	51.97	85	6.5	114.58
<b>BULLHEAD MINNOW</b>									
1977	12	15.9	33.01	7	2.8	1.85	19	5.8	34.86
1978	1	0.9	1.04	0	0.0	0.00	1	0.6	1.04
1979	2	2.8	12.00	2	1.6	3.96	4	2.0	15.96
1981	1	1.3	4.40	2	5.4	0.87	3	2.6	5.27
1984	1	1.1	4.38	0	0.0	0.00	1	0.8	4.38
1986	1	0.7	1.17	1	1.9	1.00	2	1.0	2.17
TOTAL	18	3.1	56.00	12	2.2	7.68	30	2.7	63.68



APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
CREEK CHUB	1979	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
	1977	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
	TOTAL	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.3	466.50	2.9
	1981	1	1.3	350.00	2.0	0	0.0	0.00	0.0	1	0.9	350.00	1.9
	1982	2	4.5	1035.00	6.8	0	0.0	0.00	0.0	2	3.0	1035.00	6.8
	1983	7	23.3	4265.00	53.1	0	0.0	0.00	0.0	7	8.5	4265.00	52.8
	1984	4	4.3	2860.00	37.6	0	0.0	0.00	0.0	4	3.4	2860.00	37.3
	1985	1	0.9	770.00	12.7	0	0.0	0.00	0.0	1	0.4	770.00	12.1
UNIDENTIFIED MINNOWS	1986	2	1.5	1535.00	13.9	0	0.0	0.00	0.0	2	1.0	1535.00	13.4
	TOTAL	18	3.2	11281.50	13.8	0	0.0	0.00	0.0	18	1.6	11281.50	13.6
	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
	TOTAL	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.2	377.50	2.4
	1979	1	1.4	36.00	1.1	0	0.0	0.00	0.0	1	0.5	36.00	1.1
	1981	1	1.3	320.00	1.8	0	0.0	0.00	0.0	1	0.9	320.00	1.8
	1982	1	2.3	515.00	3.4	0	0.0	0.00	0.0	1	1.5	515.00	3.4
	1984	3	3.3	1995.00	26.2	0	0.0	0.00	0.0	3	2.5	1995.00	26.0
	1986	1	0.7	236.00	2.1	0	0.0	0.00	0.0	1	0.5	236.00	2.1
SILVER REDHORSE	TOTAL	8	1.5	3479.50	4.9	0	0.0	0.00	0.0	8	0.7	3479.50	4.9
	1978	2	1.8	113.00	2.9	0	0.0	0.00	0.0	2	1.3	113.00	2.9
	1982	1	2.3	215.00	1.4	0	0.0	0.00	0.0	1	1.5	215.00	1.4
	1983	1	3.3	86.00	1.1	0	0.0	0.00	0.0	1	1.2	86.00	1.1
	TOTAL	4	2.2	414.00	1.5	0	0.0	0.00	0.0	4	1.3	414.00	1.5
	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0	1	0.3	63.00	0.4
	1978	2	1.8	192.00	4.9	0	0.0	0.00	0.0	2	1.3	192.00	4.9
	1981	6	7.7	2700.00	15.1	0	0.0	0.00	0.0	6	5.2	2700.00	14.9
	1982	1	2.3	525.00	3.5	0	0.0	0.00	0.0	1	1.5	525.00	3.5
	1985	1	0.9	2.38	0.0	0	0.0	0.00	0.0	1	0.4	2.38	0.0
RIVER REDHORSE	1986	7	5.1	135.00	1.2	0	0.0	0.00	0.0	7	3.7	135.00	1.2
	TOTAL	18	3.3	3617.38	5.2	0	0.0	0.00	0.0	18	1.6	3617.38	5.1

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO. %NO.	WT(G)	%WT	NO. %NO.	WT(G)	%WT	NO. %NO.	WT(G)	%WT
<b>GOLDEN REDHORSE</b>									
1977	5	6.2	1394.00	8.9	0	0.0	5	1.4	1394.00
1978	7	6.4	477.00	12.2	0	0.0	7	4.5	477.00
1979	14	19.4	708.00	22.1	0	0.0	14	7.1	708.00
1981	6	7.7	1906.00	10.6	0	0.0	6	5.2	1906.00
1982	8	18.2	3690.00	24.3	0	0.0	8	12.1	3690.00
1983	1	3.3	430.00	5.3	0	0.0	1	1.2	430.00
1984	5	5.4	617.00	8.1	0	0.0	5	4.2	617.00
1985	9	8.3	1762.14	29.0	2	1.5	11	4.5	1765.11
1986	22	16.1	4770.10	43.1	1	1.9	23	12.0	5135.10
TOTAL	77	10.3	15754.24	17.8	3	0.4	80	5.3	16122.21
<b>SHORTHEAD REDHORSE</b>									
1977	4	4.8	1525.50	9.7	0	0.0	4	1.1	1525.50
1978	3	2.8	557.09	14.2	0	0.0	3	1.9	557.09
1979	2	2.8	82.00	2.6	0	0.0	2	1.0	82.00
1981	18	23.1	6930.00	38.6	0	0.0	18	15.7	6930.00
1983	1	3.3	75.00	0.9	0	0.0	1	1.2	75.00
1985	6	5.5	14.44	0.2	0	0.0	6	2.5	14.44
1986	3	2.2	523.00	4.7	0	0.0	3	1.6	523.00
TOTAL	37	6.0	9707.03	14.7	0	0.0	37	2.8	9707.03
<b>UNIDENTIFIED REDHORSE</b>									
1977	3	4.1	9.70	0.1	2	0.8	5	1.6	12.47
TOTAL	3	4.1	9.70	0.1	2	0.8	5	1.6	12.47
<b>CHANNEL CATFISH</b>									
1977	1	0.7	300.00	1.9	0	0.0	1	0.2	300.00
1981	1	1.3	1140.00	6.4	0	0.0	1	0.9	1140.00
TOTAL	2	1.0	1440.00	4.3	0	0.0	2	0.3	1440.00
<b>STONECAT</b>									
1977	1	1.4	24.50	0.2	0	0.0	1	0.3	24.50
1979	2	2.8	33.00	1.0	0	0.0	2	1.0	33.00
1984	1	1.1	16.00	0.2	1	3.8	2	1.7	44.48
TOTAL	4	1.7	73.50	0.3	1	0.3	5	0.8	101.98
<b>BLACKSTRIPE TOPMINNOW</b>									
1978	0	0.0	0.00	0.0	2	4.3	2	1.3	0.53
1979	0	0.0	0.00	0.0	1	0.8	1	0.5	0.28
1983	0	0.0	0.00	0.0	2	3.8	2	2.4	0.58
1985	0	0.0	0.00	0.0	2	1.5	2	0.8	0.91
TOTAL	0	0.0	0.00	0.0	7	2.0	7	1.0	2.30

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BROOK SILVERSIDE												
1977	0	0.0	0.00	0.0	4	1.6	2.22	1.5	4	1.2	2.22	0.0
1985	1	0.9	0.37	0.0	3	2.2	0.69	0.2	4	1.6	1.06	0.0
1986	4	2.9	9.82	0.1	3	5.6	4.77	1.2	7	3.7	14.59	0.1
TOTAL	5	1.6	10.19	0.0	10	2.3	7.68	0.9	15	2.0	17.87	0.1
ROCK BASS												
1977	4	4.8	186.22	1.2	2	0.8	1.24	0.8	6	1.7	187.46	1.2
1978	10	9.2	713.16	18.2	0	0.0	0.00	0.0	10	6.4	713.16	18.1
1979	6	8.3	552.00	17.3	0	0.0	0.00	0.0	6	3.1	552.00	16.7
1981	8	10.3	644.00	3.6	1	2.7	120.00	73.1	9	7.8	764.00	4.2
1982	8	18.2	306.00	2.0	0	0.0	0.00	0.0	8	12.1	306.00	2.0
1983	1	3.3	98.00	1.2	0	0.0	0.00	0.0	1	1.2	98.00	1.2
1985	11	10.1	471.00	7.8	1	0.7	84.00	28.4	12	4.9	555.00	8.7
1986	5	3.6	724.00	6.5	0	0.0	0.00	0.0	5	2.6	724.00	6.3
TOTAL	53	8.1	3694.38	4.6	4	0.6	205.24	16.6	57	4.1	3899.62	4.7
GREEN SUNFISH												
1978	10	9.2	126.24	3.2	0	0.0	0.00	0.0	10	6.4	126.24	3.2
1979	4	5.6	45.00	1.4	1	0.8	0.16	0.1	5	2.6	45.16	1.4
1981	6	7.7	57.00	0.3	0	0.0	0.00	0.0	6	5.2	57.00	0.3
1982	4	9.1	128.00	0.8	0	0.0	0.00	0.0	4	6.1	128.00	0.8
1983	6	20.0	211.00	2.6	0	0.0	0.00	0.0	6	7.3	211.00	2.6
1984	22	23.9	647.15	8.5	0	0.0	0.00	0.0	22	18.6	647.15	8.4
1985	21	19.3	733.37	12.1	0	0.0	0.00	0.0	21	8.6	733.37	11.5
1986	35	25.5	971.97	8.8	0	0.0	0.00	0.0	35	18.3	971.97	8.5
TOTAL	108	16.1	2919.73	4.0	1	0.2	0.16	0.0	109	9.3	2919.89	3.9
PUMPKINSEED												
1986	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9
TOTAL	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9
ORANGESPOTTED SUNFISH												
1977	0	0.0	0.00	0.0	1	0.4	0.07	0.0	1	0.3	0.07	0.0
1981	2	2.6	31.00	0.2	1	2.7	7.04	4.3	3	2.6	38.04	0.2
1982	0	0.0	0.00	0.0	3	13.6	20.37	53.1	3	4.5	20.37	0.1
1985	7	6.4	86.00	1.4	0	0.0	0.00	0.0	7	2.9	86.00	1.4
1986	2	1.5	23.00	0.2	0	0.0	0.00	0.0	2	1.0	23.00	0.2
TOTAL	11	2.5	140.00	0.2	5	1.0	27.48	2.6	16	1.7	167.48	0.2

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLUEGILL	1977	0	0.0	0.00	0.0	3	1.2	1.33	0.9	3	0.9	1.33	0.0
	1978	2	1.8	22.00	0.6	0	0.0	0.00	0.0	2	1.3	22.00	0.6
	1982	1	2.3	11.00	0.1	0	0.0	0.00	0.0	1	1.5	11.00	0.1
	1983	5	16.7	230.00	2.9	0	0.0	0.00	0.0	5	6.1	230.00	2.8
	1984	3	3.3	38.14	0.5	0	0.0	0.00	0.0	3	2.5	38.14	0.5
	1986	5	3.6	49.00	0.4	0	0.0	0.00	0.0	5	2.6	49.00	0.4
	TOTAL	16	3.3	350.14	0.6	3	0.7	1.33	0.2	19	2.0	351.47	0.6
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1
	TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	0	0.0	0.00	0.0	3	0.9	51.00	0.3
	1978	23	21.1	340.96	8.7	0	0.0	0.00	0.0	23	14.7	340.96	8.6
	1979	16	22.2	219.72	6.9	0	0.0	0.00	0.0	16	8.2	219.72	6.6
	1981	2	2.6	45.00	0.3	0	0.0	0.00	0.0	2	1.7	45.00	0.2
	1982	7	15.9	78.21	0.5	0	0.0	0.00	0.0	7	10.6	78.21	0.5
	1984	18	19.6	187.25	2.5	0	0.0	0.00	0.0	18	15.3	187.25	2.4
	1985	22	20.2	229.82	3.8	3	2.2	46.47	15.7	25	10.3	276.29	4.3
	1986	17	12.4	427.06	3.9	1	1.9	1.87	0.5	18	9.4	428.93	3.7
	TOTAL	108	15.1	1579.02	2.0	4	0.6	48.34	3.8	112	8.0	1627.36	2.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0
	TOTAL	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	2	0.8	23.69	15.5	19	5.9	3990.61	25.2
	1978	16	14.7	722.99	18.4	0	0.0	0.00	0.0	16	10.3	722.99	18.3
	1979	10	13.9	458.16	14.3	1	0.8	3.47	3.0	11	5.6	461.63	13.9
	1981	13	16.7	3489.00	19.5	0	0.0	0.00	0.0	13	11.3	3489.00	19.3
	1982	4	9.1	1661.00	10.9	0	0.0	0.00	0.0	4	6.1	1661.00	10.9
	1983	5	16.7	1187.06	14.8	0	0.0	0.00	0.0	5	6.1	1187.06	14.7
	1984	11	12.0	548.00	7.2	0	0.0	0.00	0.0	11	9.3	548.00	7.2
	1985	16	14.7	1519.00	25.0	2	1.5	13.66	4.6	18	7.4	1532.66	24.1
	1986	13	9.5	1292.00	11.7	0	0.0	0.00	0.0	13	6.8	1292.00	11.3
	TOTAL	105	14.1	14844.13	16.7	5	0.7	40.82	3.2	110	7.4	14884.95	16.5

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LARGEMOUTH BASS</b>									
1977	1	0.7	201.00	0	0.0	0.00	1	0.2	201.00
1978	2	1.8	5.43	0	0.0	0.00	2	1.3	5.43
1979	0	0.0	0.00	1	0.8	3.29	1	0.5	3.29
1982	0	0.0	0.00	3	13.6	4.01	3	4.5	4.01
1984	2	2.2	34.00	0	0.0	0.00	2	1.7	34.00
1985	1	0.9	455.00	5	3.7	12.56	6	2.5	467.56
1986	4	2.9	223.00	0	0.0	0.00	4	2.1	223.00
TOTAL	10	1.5	918.43	9	1.4	19.86	19	1.4	938.29
<b>WHITE CRAPPIE</b>									
1977	1	0.7	65.00	3	1.2	0.62	4	1.1	65.62
1979	1	1.4	54.00	8	6.5	4.27	9	4.6	58.27
1981	2	2.6	160.00	2	5.4	0.70	4	3.5	160.70
1982	2	4.5	370.00	2	9.1	1.19	4	6.1	371.19
1984	1	1.1	113.00	0	0.0	0.00	1	0.8	113.00
TOTAL	7	1.8	762.00	15	3.3	6.78	22	2.6	768.78
<b>BLACK CRAPPIE</b>									
1977	1	0.7	64.00	0	0.0	0.00	1	0.2	64.00
1978	1	0.9	69.00	2	4.3	1.83	3	1.9	70.83
1979	0	0.0	0.00	3	2.4	1.94	3	1.5	1.94
1982	1	2.3	18.00	4	18.2	2.69	5	7.6	20.69
TOTAL	3	0.8	151.00	9	2.0	6.46	12	1.6	157.46
<b>JOHNNY DARTER</b>									
1977	0	0.0	0.00	1	0.4	0.33	1	0.3	0.33
1978	0	0.0	0.00	1	2.1	0.53	1	0.6	0.53
1979	0	0.0	0.00	1	0.8	0.11	1	0.5	0.11
1985	0	0.0	0.00	1	0.7	0.23	1	0.4	0.23
1986	0	0.0	0.00	3	5.6	0.73	3	1.6	0.73
TOTAL	0	0.0	0.00	7	1.2	1.93	7	0.6	1.93
<b>BANDED DARTER</b>									
1977	0	0.0	0.00	1	0.4	0.19	1	0.3	0.19
TOTAL	0	0.0	0.00	1	0.4	0.19	1	0.3	0.19
<b>BLACKSIDE DARTER</b>									
1979	0	0.0	0.00	1	0.8	0.52	1	0.5	0.52
1985	0	0.0	0.00	3	2.2	2.71	3	1.2	2.71
1986	0	0.0	0.00	1	1.9	3.69	1	0.5	3.69
TOTAL	0	0.0	0.00	5	1.6	6.92	5	0.8	6.92

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL				
	NO.	%NO.	WT (G)	WT	NO.	%NO.	WT (G)	%WT	WT (G)	%WT	
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	3	2.2	3.93	1.3	3.93	0.1
	1986	0	0.0	0.00	0.0	1	1.9	1.84	0.5	1.84	0.0
	TOTAL	0	0.0	0.00	0.0	4	2.1	5.77	0.8	5.77	0.0
WALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	20.00	0.1
	TOTAL	1	0.7	20.00	0.1	0	0.0	0.00	0.0	20.00	0.1
FRESHWATER DRUM	1984	1	1.1	425.00	5.6	0	0.0	0.00	0.0	425.00	5.5
	TOTAL	1	1.1	425.00	5.6	0	0.0	0.00	0.0	425.00	5.5

APPENDIX D-8. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	WT(G)	%WT	NO.	%NO.	WT(G)	%WT				
LONGNOSE GAR	1977	2	0.6	145.00	0.6	0	0.0	0.00	0.0	2	0.2	145.00	0.6
	1978	1	0.2	13.00	0.1	0	0.0	0.00	0.0	1	0.2	13.00	0.1
	1979	1	0.5	35.00	0.2	0	0.0	0.00	0.0	1	0.3	35.00	0.2
	1981	1	0.5	4.00	0.0	0	0.0	0.00	0.0	1	0.3	4.00	0.0
	1983	2	1.8	164.00	0.7	0	0.0	0.00	0.0	2	0.8	164.00	0.7
	1985	1	0.5	25.00	0.2	4	0.2	68.00	3.6	5	0.2	93.00	0.5
	1986	0	0.0	0.00	0.0	1	0.9	1.09	0.2	1	0.2	1.09	0.0
	TOTAL	8	0.4	386.00	0.3	5	0.1	69.09	1.5	13	0.2	455.09	0.3
BOWFIN	1978	1	0.2	50.00	0.3	0	0.0	0.00	0.0	1	0.2	50.00	0.3
	1981	3	1.4	320.00	1.1	0	0.0	0.00	0.0	3	1.0	320.00	1.0
	1982	2	2.2	1510.00	6.6	0	0.0	0.00	0.0	2	1.3	1510.00	6.5
	TOTAL	6	0.8	1880.00	2.6	0	0.0	0.00	0.0	6	0.6	1880.00	2.6
	GIZZARD SHAD	1977	114	35.5	1697.14	7.0	41	4.6	79.74	13.3	155	12.9	1776.88
1978		200	42.2	2274.95	12.8	3	4.5	39.71	12.0	203	37.5	2314.66	12.7
1979		10	5.3	1384.00	8.5	0	0.0	0.00	0.0	10	3.4	1384.00	8.3
1981		14	6.4	607.00	2.0	1	1.1	2.42	0.3	15	4.9	609.42	2.0
1982		26	29.2	1841.25	8.0	1	1.5	4.97	4.7	27	17.3	1846.22	8.0
1983		25	21.9	4837.23	20.7	0	0.0	0.00	0.0	25	10.1	4837.23	20.7
1984		34	23.0	4065.77	22.1	0	0.0	0.00	0.0	34	6.7	4065.77	21.9
1985		37	19.8	4873.11	29.4	0	0.0	0.00	0.0	37	1.6	4873.11	26.4
1986		74	19.7	7855.13	39.9	4	3.8	8.50	1.8	78	16.2	7863.63	39.0
TOTAL		534	25.2	29435.58	15.5	50	1.3	135.34	2.9	584	9.6	29570.92	15.2
GRASS PICKEREL		1977	3	0.9	49.00	0.2	0	0.0	0.00	0.0	3	0.2	49.00
	1978	9	1.9	163.35	0.9	2	3.0	13.59	4.1	11	2.0	176.94	1.0
	1979	2	1.1	23.00	0.1	0	0.0	0.00	0.0	2	0.7	23.00	0.1
	1981	6	2.7	71.00	0.2	1	1.1	8.32	1.0	7	2.3	79.32	0.3
	1983	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0
	1984	1	0.7	11.00	0.1	1	0.3	16.98	9.3	2	0.4	27.98	0.2
	1986	5	1.3	28.68	0.1	6	5.7	48.27	9.9	11	2.3	76.95	0.4
TOTAL	27	1.5	354.03	0.2	10	0.6	87.16	3.2	37	1.0	441.19	0.3	

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>NORTHERN PIKE</b>									
1978	2	0.4	46.00	0	0.0	0.00	2	0.4	46.00
1979	0	0.0	0.00	1	1.0	30.00	1	0.3	30.00
1981	2	0.9	130.00	2	2.3	105.00	4	1.3	235.00
1982	1	1.1	530.00	0	0.0	0.00	1	0.6	530.00
1983	2	1.8	444.00	0	0.0	0.00	2	0.8	444.00
1984	1	0.7	36.00	0	0.0	0.00	1	0.2	36.00
1986	1	0.3	41.00	0	0.0	0.00	1	0.2	41.00
TOTAL	9	0.6	1227.00	3	0.3	135.00	12	0.5	1362.00
<b>CENTRAL STONEROLLER</b>									
1982	0	0.0	0.00	1	1.5	0.96	1	0.6	0.96
1983	0	0.0	0.00	1	0.7	0.51	1	0.4	0.51
TOTAL	0	0.0	0.00	2	1.0	1.47	2	0.5	1.47
<b>GOLDFISH</b>									
1981	1	0.5	165.00	0	0.0	0.00	1	0.3	165.00
TOTAL	1	0.5	165.00	0	0.0	0.00	1	0.3	165.00
<b>CARP</b>									
1977	18	5.6	11005.00	0	0.0	0.00	18	1.5	11005.00
1978	16	3.4	4091.00	1	1.5	73.80	17	3.1	4164.80
1979	6	3.2	4180.00	0	0.0	0.00	6	2.1	4180.00
1981	17	7.7	11543.09	2	2.3	366.24	19	6.2	11909.33
1982	7	7.9	6420.00	0	0.0	0.00	7	4.5	6420.00
1983	8	7.0	2380.46	0	0.0	0.00	8	3.2	2380.46
1984	8	5.4	2187.00	0	0.0	0.00	8	1.6	2187.00
1985	2	1.1	3237.00	0	0.0	0.00	2	0.1	3237.00
1986	2	0.5	44.00	1	0.9	0.71	3	0.6	44.71
TOTAL	84	4.0	45087.55	4	0.1	440.75	88	1.4	45528.30
<b>HORNHEAD CHUB</b>									
1977	0	0.0	0.00	1	0.1	0.22	1	0.1	0.22
1983	0	0.0	0.00	1	0.7	0.22	1	0.4	0.22
1984	0	0.0	0.00	1	0.3	0.04	1	0.2	0.04
1985	0	0.0	0.00	2	0.1	1.01	2	0.1	1.01
TOTAL	0	0.0	0.00	5	0.1	1.49	5	0.1	1.49



APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
<b>PALLID CHUB</b>									
1979	0	0.0	0.00	0.0	4	4.0	1.99	0.7	1.99
1981	0	0.0	0.00	0.0	2	2.3	0.56	0.1	0.56
1982	0	0.0	0.00	0.0	2	3.0	0.62	0.6	0.62
1983	0	0.0	0.00	0.0	1	0.7	0.46	0.7	0.46
1984	0	0.0	0.00	0.0	48	13.4	8.97	4.9	8.97
1985	1	0.5	0.63	0.0	3	0.1	1.30	0.1	1.93
1986	0	0.0	0.00	0.0	2	1.9	0.54	0.1	0.54
TOTAL	1	0.1	0.63	0.0	62	2.0	14.44	0.4	15.07
<b>GOLDEN SHINER</b>									
1977	2	0.6	45.00	0.2	0	0.0	0.00	0.0	45.00
1978	5	1.1	47.73	0.3	1	1.5	1.46	0.4	49.19
1979	5	2.6	61.02	0.4	6	5.9	4.98	1.8	66.00
1981	1	0.5	50.00	0.2	1	1.1	0.27	0.0	50.27
1982	1	1.1	7.28	0.0	4	6.0	4.09	3.9	11.37
1983	1	0.9	7.48	0.0	0	0.0	0.00	0.0	7.48
1984	3	2.0	28.00	0.2	0	0.0	0.00	0.0	28.00
1985	2	1.1	39.50	0.2	1	0.0	5.65	0.3	45.15
1986	1	0.3	2.48	0.0	0	0.0	0.00	0.0	2.48
TOTAL	21	1.0	288.49	0.2	13	0.3	16.45	0.3	304.94
<b>EMERALD SHINER</b>									
1977	1	0.3	4.37	0.0	0	0.0	0.00	0.0	4.37
1985	0	0.0	0.00	0.0	6	0.3	0.44	0.0	0.44
TOTAL	1	0.2	4.37	0.0	6	0.2	0.44	0.0	4.81
<b>GHOST SHINER</b>									
1981	0	0.0	0.00	0.0	1	1.1	0.46	0.1	0.46
TOTAL	0	0.0	0.00	0.0	1	1.1	0.46	0.1	0.46
<b>STRIPED SHINER</b>									
1978	0	0.0	0.00	0.0	7	10.4	1.85	0.6	1.85
1979	0	0.0	0.00	0.0	10	9.9	1.69	0.6	1.69
1982	0	0.0	0.00	0.0	1	1.5	0.42	0.4	0.42
1983	0	0.0	0.00	0.0	1	0.7	0.42	0.6	0.42
1984	0	0.0	0.00	0.0	1	0.3	0.29	0.2	0.29
1985	0	0.0	0.00	0.0	84	3.8	24.70	1.3	24.70
1986	2	0.5	10.90	0.1	0	0.0	0.00	0.0	10.90
TOTAL	2	0.1	10.90	0.0	104	3.4	29.37	0.9	40.27

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
RED SHINER	1981	2	0.9	6.50	0.0	0.0	0.0	0.7	6.50
	1985	0	0.0	0.00	0.0	2.03	1	0.0	2.03
TOTAL		2	0.9	6.50	0.0	2.03	3	0.1	8.53
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	3.63	11	0.9	3.63
	1979	0	0.0	0.00	0.0	3.34	12	4.1	3.34
	1982	1	1.1	0.69	0.0	0.00	1	0.6	0.69
	1983	7	6.1	3.70	0.0	0.00	7	2.8	3.70
	1984	0	0.0	0.00	0.0	1.36	15	3.0	1.36
	1985	4	2.1	1.34	0.0	0.92	14	0.6	2.26
TOTAL		12	1.1	5.73	0.0	9.25	60	1.3	14.98
SPOTFIN SHINER	1977	6	1.9	15.65	0.1	27.99	65	5.4	43.64
	1978	2	0.4	6.93	0.0	0.00	2	0.4	6.93
	1979	1	0.5	1.74	0.0	16.19	17	5.9	17.93
	1981	1	0.5	3.02	0.0	5.53	8	2.6	8.55
	1982	0	0.0	0.00	0.0	0.08	1	0.6	0.08
	1983	5	4.4	15.84	0.1	1.79	6	2.4	17.63
	1984	1	0.7	1.16	0.0	4.43	9	1.8	5.59
	1985	11	5.9	44.07	0.3	16.96	109	4.6	61.03
	1986	2	0.5	6.40	0.0	0.09	6	1.2	6.49
TOTAL		29	1.4	94.81	0.0	73.06	223	3.7	167.87
SAND SHINER	1977	0	0.0	0.00	0.0	9.58	53	4.4	9.58
	1978	0	0.0	0.00	0.0	0.12	1	0.2	0.12
	1979	0	0.0	0.00	0.0	0.77	1	0.3	0.77
	1983	0	0.0	0.00	0.0	2.25	5	2.0	2.25
	1984	0	0.0	0.00	0.0	0.11	1	0.2	0.11
	1985	0	0.0	0.00	0.0	46.62	295	12.4	46.62
	1986	0	0.0	0.00	0.0	0.37	8	1.7	0.37
TOTAL		0	0.0	0.00	0.0	59.82	364	6.5	59.82
REDFIN SHINER	1977	0	0.0	0.00	0.0	0.47	4	0.3	0.47
	1982	1	1.1	1.93	0.0	0.00	1	0.6	1.93
	1985	0	0.0	0.00	0.0	0.14	1	0.0	0.14
TOTAL		1	0.2	1.93	0.0	0.61	6	0.2	2.54

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	1	0.1	0.19	1	0.1	0.19
1981	0	0.0	0.00	1	1.1	0.17	1	0.3	0.17
TOTAL	0	0.0	0.00	2	0.2	0.36	2	0.1	0.36
<b>SUCKERMOUTH MINNOW</b>									
1978	0	0.0	0.00	2	3.0	0.46	2	0.4	0.46
1981	0	0.0	0.00	1	1.1	0.23	1	0.3	0.23
1983	0	0.0	0.00	3	2.2	1.39	3	1.2	1.39
1984	0	0.0	0.00	7	2.0	1.82	7	1.4	1.82
1985	0	0.0	0.00	13	0.6	9.29	13	0.5	9.29
TOTAL	0	0.0	0.00	26	0.9	13.19	26	0.7	13.19
<b>BLUNTNOSE MINNOW</b>									
1977	6	1.9	11.30	130	14.7	79.37	136	11.3	90.67
1978	28	5.9	73.62	11	16.4	10.65	39	7.2	84.27
1979	5	2.6	16.39	18	17.8	14.28	23	7.9	30.67
1981	1	0.5	3.00	15	17.2	8.87	16	5.2	11.87
1982	0	0.0	0.00	12	17.9	9.07	12	7.7	9.07
1983	3	2.6	2.80	64	47.8	21.11	67	27.0	23.91
1984	4	2.7	8.56	58	16.2	36.53	62	12.3	45.09
1985	9	4.8	34.49	1291	59.1	948.89	1300	54.8	983.38
1986	11	2.9	18.58	25	23.6	22.71	36	7.5	41.29
TOTAL	67	3.2	168.74	1624	40.7	1151.48	1691	27.7	1320.22
<b>FATHEAD MINNOW</b>									
1985	0	0.0	0.00	1	0.0	0.30	1	0.0	0.30
1986	0	0.0	0.00	1	0.9	0.57	1	0.2	0.57
TOTAL	0	0.0	0.00	2	0.1	0.87	2	0.1	0.87
<b>BULLHEAD MINNOW</b>									
1977	17	5.3	39.50	222	25.1	97.72	239	19.9	137.22
1978	1	0.2	1.07	0	0.0	0.00	1	0.2	1.07
1979	3	1.6	9.22	3	3.0	1.45	6	2.1	10.67
1981	0	0.0	0.00	6	6.9	2.82	6	2.0	2.82
1983	2	1.8	6.76	9	6.7	1.01	11	4.4	7.77
1984	0	0.0	0.00	193	53.9	20.75	193	38.1	20.75
1985	8	4.3	30.45	131	6.0	136.22	139	5.9	166.67
1986	1	0.3	0.69	0	0.0	0.00	1	0.2	0.69
TOTAL	32	1.6	87.69	564	14.4	259.97	596	10.0	347.66

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>CREEK CHUB</b>									
1983	0	0.0	0.00	0.0	1.5	0.73	2	0.8	0.73
1985	0	0.0	0.00	2	0.1	0.51	2	0.1	0.51
TOTAL	0	0.0	0.00	4	0.2	1.24	4	0.2	1.24
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	282	31.9	18.43	282	23.4	18.43
1983	0	0.0	0.00	3	2.2	0.15	3	1.2	0.15
1984	0	0.0	0.00	2	0.6	0.12	2	0.4	0.12
TOTAL	0	0.0	0.00	287	20.9	18.70	287	14.7	18.70
<b>QUILLBACK</b>									
1977	6	1.9	936.15	1	0.1	7.14	7	0.6	943.29
1978	16	3.4	5345.27	0	0.0	0.00	16	3.0	5345.27
1979	6	3.2	2101.41	0	0.0	0.00	6	2.1	2101.41
1981	8	3.6	2910.00	0	0.0	0.00	8	2.6	2910.00
1982	15	16.9	7270.00	0	0.0	0.00	15	9.6	7270.00
1983	18	15.8	10461.08	0	0.0	0.00	18	7.3	10461.08
1984	12	8.1	6960.00	0	0.0	0.00	12	2.4	6960.00
1985	4	2.1	2750.00	0	0.0	0.00	4	0.2	2750.00
1986	4	1.1	929.91	3	2.8	9.99	7	1.5	939.90
TOTAL	89	4.2	39663.82	4	0.1	17.13	93	1.5	39680.95
<b>WHITE SUCKER</b>									
1978	1	0.2	7.00	0	0.0	0.00	1	0.2	7.00
1979	1	0.5	252.00	0	0.0	0.00	1	0.3	252.00
1982	1	1.1	14.59	0	0.0	0.00	1	0.6	14.59
1983	1	0.9	65.00	0	0.0	0.00	1	0.4	65.00
1985	0	0.0	0.00	1	0.0	3.50	1	0.0	3.50
1986	1	0.3	430.00	0	0.0	0.00	1	0.2	430.00
TOTAL	5	0.3	768.59	1	0.0	3.50	6	0.1	772.09
<b>NORTHERN HOGSUCKER</b>									
1977	1	0.3	267.00	0	0.0	0.00	1	0.1	267.00
1981	2	0.9	735.00	0	0.0	0.00	2	0.7	735.00
1982	2	2.2	920.00	0	0.0	0.00	2	1.3	920.00
1983	2	1.8	1080.00	0	0.0	0.00	2	0.8	1080.00
1984	1	0.7	240.00	0	0.0	0.00	1	0.2	240.00
1986	1	0.3	34.00	0	0.0	0.00	1	0.2	34.00
TOTAL	9	0.7	3276.00	0	0.0	0.00	9	0.3	3276.00

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
<b>BIGMOUTH BUFFALO</b>												
1978	2	0.4	426.00	2.4	0	0.0	0.00	0.0	2	0.4	426.00	2.3
1979	1	0.5	465.00	2.8	0	0.0	0.00	0.0	1	0.3	465.00	2.8
1981	1	0.5	400.00	1.3	0	0.0	0.00	0.0	1	0.3	400.00	1.3
1983	3	2.6	1486.00	6.4	0	0.0	0.00	0.0	3	1.2	1486.00	6.3
TOTAL	7	0.7	2777.00	3.2	0	0.0	0.00	0.0	7	0.5	2777.00	3.1
<b>SPOTTED SUCKER</b>												
1978	1	0.2	42.00	0.2	0	0.0	0.00	0.0	1	0.2	42.00	0.2
1981	1	0.5	510.00	1.7	0	0.0	0.00	0.0	1	0.3	510.00	1.6
1986	2	0.5	39.44	0.2	0	0.0	0.00	0.0	2	0.4	39.44	0.2
TOTAL	4	0.4	591.44	0.9	0	0.0	0.00	0.0	4	0.3	591.44	0.9
<b>SILVER REDHORSE</b>												
1978	2	0.4	106.00	0.6	0	0.0	0.00	0.0	2	0.4	106.00	0.6
1979	2	1.1	256.00	1.6	0	0.0	0.00	0.0	2	0.7	256.00	1.5
1981	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
1982	2	2.2	1415.00	6.1	0	0.0	0.00	0.0	2	1.3	1415.00	6.1
1983	1	0.9	24.00	0.1	0	0.0	0.00	0.0	1	0.4	24.00	0.1
1984	1	0.7	600.00	3.3	0	0.0	0.00	0.0	1	0.2	600.00	3.2
1985	9	4.8	524.45	3.2	11	0.5	37.59	2.0	20	0.8	562.04	3.0
1986	3	0.8	198.00	1.0	0	0.0	0.00	0.0	3	0.6	198.00	1.0
TOTAL	21	1.2	3132.45	1.9	11	0.4	37.59	0.9	32	0.7	3170.04	1.9
<b>RIVER REDHORSE</b>												
1977	7	2.2	430.00	1.8	0	0.0	0.00	0.0	7	0.6	430.00	1.7
1979	5	2.6	455.00	2.8	0	0.0	0.00	0.0	5	1.7	455.00	2.7
1981	2	0.9	840.00	2.8	0	0.0	0.00	0.0	2	0.7	840.00	2.7
1986	8	2.1	210.00	1.1	0	0.0	0.00	0.0	8	1.7	210.00	1.0
TOTAL	22	2.0	1935.00	2.1	0	0.0	0.00	0.0	22	1.0	1935.00	2.1
<b>GOLDEN REDHORSE</b>												
1977	6	1.9	1096.00	4.5	0	0.0	0.00	0.0	6	0.5	1096.00	4.4
1978	6	1.3	743.00	4.2	0	0.0	0.00	0.0	6	1.1	743.00	4.1
1979	12	6.3	1072.00	6.6	0	0.0	0.00	0.0	12	4.1	1072.00	6.5
1981	7	3.2	2072.00	6.8	0	0.0	0.00	0.0	7	2.3	2072.00	6.6
1982	9	10.1	1520.00	6.6	0	0.0	0.00	0.0	9	5.8	1520.00	6.6
1983	1	0.9	130.00	0.6	0	0.0	0.00	0.0	1	0.4	130.00	0.6
1984	11	7.4	241.33	1.3	0	0.0	0.00	0.0	11	2.2	241.33	1.3
1985	9	4.8	576.36	3.5	86	3.9	108.12	5.7	95	4.0	684.48	3.7
1986	23	6.1	782.54	4.0	0	0.0	0.00	0.0	23	4.8	782.54	3.9
TOTAL	84	4.0	8233.23	4.3	86	2.2	108.12	2.3	170	2.8	8341.35	4.3

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SHORthead REDHORSE</b>									
1977	5	1.6	390.00	0	0.0	0.00	5	0.4	390.00
1978	10	2.1	681.00	0	0.0	0.00	10	1.8	681.00
1979	4	2.1	362.00	0	0.0	0.00	4	1.4	362.00
1981	8	3.6	2914.00	0	0.0	0.00	8	2.6	2914.00
1985	4	2.1	303.97	4	0.2	6.20	8	0.3	310.17
1986	11	2.9	362.91	0	0.0	0.00	11	2.3	362.91
TOTAL	42	2.4	5013.88	4	0.1	6.20	46	0.9	5020.08
<b>UNIDENTIFIED REDHORSE</b>									
1977	2	0.6	7.40	0	0.0	0.00	4	0.3	12.27
1978	4	0.8	4.49	0	0.0	0.00	4	0.7	4.49
1981	0	0.0	0.00	1	1.1	0.24	1	0.3	0.24
1982	0	0.0	0.00	2	3.0	1.90	2	1.3	1.90
1983	0	0.0	0.00	1	0.7	0.80	1	0.4	0.80
TOTAL	6	0.5	11.89	6	0.5	7.81	12	0.5	19.70
<b>BLACK BULLHEAD</b>									
1981	1	0.5	121.00	0	0.0	0.00	1	0.3	121.00
1985	1	0.5	53.00	0	0.0	0.00	1	0.0	53.00
1986	1	0.3	97.00	0	0.0	0.00	1	0.2	97.00
TOTAL	3	0.4	271.00	0	0.0	0.00	3	0.1	271.00
<b>YELLOW BULLHEAD</b>									
1984	1	0.7	200.00	0	0.0	0.00	1	0.2	200.00
TOTAL	1	0.7	200.00	0	0.0	0.00	1	0.2	200.00
<b>CHANNEL CATFISH</b>									
1977	1	0.3	1245.00	0	0.0	0.00	1	0.1	1245.00
1978	1	0.2	940.00	0	0.0	0.00	1	0.2	940.00
1982	1	1.1	450.00	0	0.0	0.00	1	0.6	450.00
1983	0	0.0	0.00	1	0.7	1.58	1	0.4	1.58
1986	0	0.0	0.00	1	0.9	1.40	1	0.2	1.40
TOTAL	3	0.2	2635.00	2	0.2	2.98	5	0.2	2637.98
<b>STONECAT</b>									
1978	1	0.2	18.00	0	0.0	0.00	1	0.2	18.00
1979	1	0.5	36.00	0	0.0	0.00	1	0.3	36.00
1981	1	0.5	12.00	0	0.0	0.00	1	0.3	12.00
1982	1	1.1	20.00	0	0.0	0.00	1	0.6	20.00
1986	1	0.3	22.00	0	0.0	0.00	1	0.2	22.00
TOTAL	5	0.4	108.00	0	0.0	0.00	5	0.3	108.00

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLACKSTRIPE TOPMINNOW</b>									
1977	0	0.0	0.00	5	0.6	2.42	5	0.4	2.42
1978	0	0.0	0.00	2	3.0	0.42	2	0.4	0.42
1979	0	0.0	0.00	1	1.0	0.09	1	0.3	0.09
1981	1	0.5	0.00	0	0.0	0.00	1	0.3	0.00
1982	0	0.0	0.00	1	1.5	1.36	1	0.6	1.36
1983	0	0.0	0.00	1	0.7	0.12	1	0.4	0.12
1984	0	0.0	0.00	2	0.6	0.34	2	0.4	0.34
1986	0	0.0	0.00	1	0.9	0.14	1	0.2	0.14
TOTAL	1	0.1	0.00	13	0.7	4.89	14	0.4	4.89
<b>BROOK SILVERSIDE</b>									
1977	4	1.2	3.86	40	4.5	14.01	44	3.7	17.87
1979	0	0.0	0.00	1	1.0	0.09	1	0.3	0.09
1984	0	0.0	0.00	7	2.0	1.12	7	1.4	1.12
1985	1	0.5	0.15	10	0.5	1.31	11	0.5	1.46
1986	2	0.5	1.22	0	0.0	0.00	2	0.4	1.22
TOTAL	7	0.6	5.23	58	1.6	16.53	65	1.3	21.76
<b>ROCK BASS</b>									
1977	19	5.9	1599.00	1	0.1	35.00	20	1.7	1634.00
1978	18	3.8	461.00	1	1.5	50.00	19	3.5	511.00
1979	40	21.2	3238.91	0	0.0	0.00	40	13.8	3238.91
1981	22	10.0	2640.00	0	0.0	0.00	22	7.2	2640.00
1983	1	0.9	270.00	0	0.0	0.00	1	0.4	270.00
1984	4	2.7	187.00	0	0.0	0.00	4	0.8	187.00
1985	8	4.3	1053.00	2	0.1	4.47	10	0.4	1057.47
1986	49	13.0	3744.25	1	0.9	0.36	50	10.4	3744.61
TOTAL	161	7.9	13193.16	5	0.1	89.83	166	2.8	13282.99
<b>GREEN SUNFISH</b>									
1977	34	10.6	770.71	3	0.3	3.15	37	3.1	773.86
1978	57	12.0	1095.48	11	16.4	115.08	68	12.6	1210.56
1979	38	20.1	986.00	3	3.0	42.27	41	14.1	1028.27
1981	47	21.4	1306.00	1	1.1	75.00	48	15.6	1381.00
1982	3	3.4	102.00	2	3.0	29.60	5	3.2	131.60
1983	1	0.9	44.00	0	0.0	0.00	1	0.4	44.00
1984	13	8.8	390.01	1	0.3	58.00	14	2.8	448.01
1985	0	0.0	0.00	6	0.3	179.20	6	0.3	179.20
1986	29	7.7	1386.25	14	13.2	297.65	43	8.9	1683.90
TOTAL	222	10.5	6080.45	41	1.0	799.95	263	4.3	6880.40

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	---ELECTROFISHING---			---SEINING---			---TOTAL---		
	NO.	%NO.	WT(G)	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
PUMPKINSEED	1981	0	0.0	0.00	0.0	1	1.1	8.87	1.1
1985	2	1.1	56.91	0.3	0.0	0	0.0	0.00	0.0
TOTAL	2	0.5	56.91	0.1	0.0	1	0.0	8.87	0.3
ORANGESPOTTED SUNFISH	1977	7	2.2	40.55	0.2	5	0.6	0.78	0.1
1978	34	7.2	356.00	2.0	2	3.0	11.00	3.3	0.0
1979	16	8.5	209.63	1.3	5	5.0	40.06	14.6	0.0
1981	31	14.1	258.00	0.8	13	14.9	37.18	4.6	0.0
1982	7	7.9	71.00	0.3	6	9.0	12.37	11.7	0.0
1983	4	3.5	46.41	0.2	0	0.0	0.00	0.0	0.0
1984	21	14.2	147.88	0.8	1	0.3	1.20	0.7	0.0
1985	13	7.0	167.10	1.0	24	1.1	115.78	6.1	0.0
1986	89	23.7	1117.41	5.7	14	13.2	59.79	12.3	0.0
TOTAL	222	10.5	2413.98	1.3	70	1.8	278.16	5.9	0.0
BLUEGILL	1977	1	0.3	6.00	0.0	0	0.0	0.00	0.0
1978	4	0.8	29.13	0.2	2	3.0	0.32	0.1	0.0
1981	3	1.4	12.00	0.0	0	0.0	0.00	0.0	0.0
1982	2	2.2	9.00	0.0	0	0.0	0.00	0.0	0.0
1985	2	1.1	90.00	0.5	17	0.8	3.30	0.2	0.0
1986	7	1.9	196.93	1.0	14	13.2	20.62	4.2	0.0
TOTAL	19	1.1	343.06	0.3	33	1.0	24.24	0.6	0.0
NORTHERN LONGEAR SUNFISH	1977	10	3.1	148.00	0.6	1	0.1	11.13	1.9
TOTAL	10	3.1	148.00	0.6	1	0.1	11.13	1.9	0.6
LONGEAR SUNFISH	1977	8	2.5	87.11	0.4	7	0.8	25.19	4.2
1978	26	5.5	313.00	1.8	0	0.0	0.00	0.0	0.0
1979	6	3.2	67.00	0.4	0	0.0	0.00	0.0	0.0
1981	3	1.4	11.00	0.0	3	3.4	4.12	0.5	0.0
1984	6	4.1	100.00	0.5	2	0.6	11.55	6.3	0.0
1985	5	2.7	114.50	0.7	0	0.0	0.00	0.0	0.0
1986	30	8.0	382.47	1.9	2	1.9	9.49	2.0	0.0
TOTAL	84	4.4	1075.08	0.7	14	0.4	50.35	1.1	0.0



APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
ORANGESPOTTED XLONGEAR SUNFISH	3	1.4	27.00	0	0.0	0.00	3	1.0	27.00
TOTAL	3	1.4	27.00	0	0.0	0.00	3	1.0	27.00
GREEN X LONGEAR SUNFISH	2	0.9	55.00	0	0.0	0.00	2	0.7	55.00
TOTAL	2	0.9	55.00	0	0.0	0.00	2	0.7	55.00
UNIDENTIFIED HYBRID SUNFISH	0	0.0	0.00	1	1.5	5.31	1	0.6	5.31
TOTAL	0	0.0	0.00	1	1.5	5.31	1	0.6	5.31
UNIDENTIFIED SUNFISH	0	0.0	0.00	1	0.1	0.02	1	0.1	0.02
1977	0	0.0	0.00	2	2.0	0.23	2	0.7	0.23
1979	0	0.0	0.00	3	3.4	0.29	3	1.0	0.29
1981	0	0.0	0.00	10	14.9	2.21	10	6.4	2.21
1982	1	0.9	0.70	22	16.4	5.76	23	9.3	6.46
1983	0	0.0	0.00	6	1.7	0.69	6	1.2	0.69
1984	0	0.0	0.00	44	2.7	9.20	45	1.7	9.90
TOTAL	1	0.1	0.70	0	0.0	0.00	16	1.3	2983.00
SMALLMOUTH BASS	16	5.0	2983.00	0	0.0	0.00	16	1.3	2983.00
1977	10	2.1	374.31	0	0.0	0.00	10	1.8	374.31
1978	15	7.9	848.00	3	3.0	9.37	18	6.2	857.37
1979	8	3.6	1525.00	0	0.0	0.00	8	2.6	1525.00
1981	5	5.6	748.00	0	0.0	0.00	5	3.2	748.00
1982	18	15.8	1265.14	0	0.0	0.00	18	7.3	1265.14
1983	22	14.9	2283.00	0	0.0	0.00	22	4.3	2283.00
1984	51	27.3	2349.05	23	1.1	85.66	74	3.1	2434.71
1985	13	3.5	1086.00	0	0.0	0.00	13	2.7	1086.00
1986	158	7.5	13461.50	26	0.7	95.03	184	3.0	13556.53
TOTAL	7	2.2	99.00	2	0.2	31.23	9	0.7	130.23
LARGEMOUTH BASS	13	2.7	49.85	2	3.0	6.40	15	2.8	56.25
1978	4	2.1	30.00	2	2.0	8.70	6	2.1	38.70
1979	3	1.4	175.00	4	4.6	18.28	7	2.3	193.28
1981	1	1.1	9.00	9	13.4	16.55	10	6.4	25.55
1982	5	4.4	450.00	5	3.7	26.59	10	4.0	476.59
1983	3	2.0	570.00	3	0.8	17.73	6	1.2	587.73
1984	3	1.6	248.32	2	0.1	40.02	5	0.2	288.34
1985	1	0.3	480.00	0	0.0	0.00	1	0.2	480.00
1986	40	1.9	2111.17	29	0.7	165.50	69	1.1	2276.67
TOTAL	7	2.2	99.00	2	0.2	31.23	9	0.7	130.23
1977	13	2.7	49.85	2	3.0	6.40	15	2.8	56.25
1978	4	2.1	30.00	2	2.0	8.70	6	2.1	38.70
1979	3	1.4	175.00	4	4.6	18.28	7	2.3	193.28
1981	1	1.1	9.00	9	13.4	16.55	10	6.4	25.55
1982	5	4.4	450.00	5	3.7	26.59	10	4.0	476.59
1983	3	2.0	570.00	3	0.8	17.73	6	1.2	587.73
1984	3	1.6	248.32	2	0.1	40.02	5	0.2	288.34
1985	1	0.3	480.00	0	0.0	0.00	1	0.2	480.00
1986	40	1.9	2111.17	29	0.7	165.50	69	1.1	2276.67
TOTAL	40	1.9	2111.17	29	0.7	165.50	69	1.1	2276.67

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
UNIDENTIFIED BLACK BASS	1983	0	0.0	0	0.0	0.00	0.0	0.0	0.0
TOTAL	1983	0	0.0	0	0.0	0.00	0.0	0.0	0.0
WHITE CRAPPIE	1977	3	0.9	3	0.2	344.23	1.4	0.6	347.71
1978	2	0.4	52.00	3	4.5	0.96	0.3	0.9	52.96
1979	4	2.1	204.55	9	8.9	97.47	35.5	4.5	302.02
1981	10	4.5	558.00	11	12.6	158.27	19.5	6.8	716.27
1982	1	1.1	170.00	0	0.0	0.00	0.0	0.6	170.00
1983	1	0.9	114.00	1	0.7	0.32	0.5	0.8	114.32
1984	1	0.7	128.00	0	0.0	0.00	0.0	0.2	128.00
1986	2	0.5	165.00	1	0.9	0.85	0.2	0.6	165.85
TOTAL	24	1.2	1735.78	27	1.5	261.35	9.2	1.4	1997.13
BLACK CRAPPIE	1977	7	2.2	9	1.0	499.36	2.1	1.3	641.55
1978	0	0.0	0.00	3	4.5	1.21	0.4	0.6	1.21
1981	5	2.3	384.00	10	11.5	6.91	0.9	4.9	390.91
1982	0	0.0	0.00	4	6.0	11.18	10.6	2.6	11.18
1986	0	0.0	0.00	1	0.9	1.21	0.2	0.2	1.21
TOTAL	12	0.8	883.36	27	2.2	162.70	7.0	1.4	1046.06
RAINBOW DARTER	1977	1	0.3	0	0.0	0.58	0.0	0.1	0.58
TOTAL	1	0.3	0.58	0	0.0	0.00	0.0	0.1	0.58
JOHNNY DARTER	1978	0	0.0	13	19.4	4.97	1.5	2.4	4.97
1979	0	0.0	0.00	3	3.0	0.99	0.4	3	0.99
1982	0	0.0	0.00	8	11.9	3.77	3.6	8	3.77
1983	0	0.0	0.00	9	6.7	2.74	4.0	9	2.74
1984	0	0.0	0.00	1	0.3	0.11	0.1	1	0.11
1985	0	0.0	0.00	55	2.5	39.53	2.1	55	39.53
1986	0	0.0	0.00	2	1.9	1.14	0.2	2	1.14
TOTAL	0	0.0	0.00	91	3.0	53.25	1.6	91	53.25
YELLOW PERCH	1978	1	0.2	0	0.0	27.00	0.2	1	27.00
1979	1	0.5	22.00	0	0.0	0.00	0.0	1	22.00
1981	1	0.5	16.00	0	0.0	0.00	0.0	1	16.00
1983	1	0.9	49.00	0	0.0	0.00	0.0	1	49.00
TOTAL	4	0.4	114.00	0	0.0	0.00	0.0	4	114.00

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
BLACKSIDE DARTER	1979	0	0.0	0.0	0	0.0	0.00	0.0	1	1.0	0.70	0.3
	1982	0	0.0	0.0	0	0.0	0.00	0.0	2	3.0	1.27	1.2
	1985	0	0.0	0.0	0	0.0	0.00	0.0	1	0.0	1.71	0.1
	TOTAL	0	0.0	0.00	0.0	0	0.0	0.00	4	0.2	3.68	0.2
WALLEYE	1977	7	2.2	350.00	1.4	0	0.0	0.00	0	0.0	0.00	0.0
	TOTAL	7	2.2	350.00	1.4	0	0.0	0.00	7	0.6	350.00	1.4

APPENDIX D-9. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
<b>LONGNOSE GAR</b>												
1979	2	2.8	34.53	0.2	0	0.0	0.00	0.0	2	0.3	34.53	0.2
1981	1	0.5	520.00	2.1	0	0.0	0.00	0.0	1	0.2	520.00	2.0
1982	0	0.0	0.00	0.0	1	1.3	4.82	7.4	1	0.9	4.82	0.0
1985	6	4.0	165.00	1.0	0	0.0	0.00	0.0	6	0.4	165.00	1.0
TOTAL	9	1.9	719.53	1.0	1	0.0	4.82	0.2	10	0.4	724.35	1.0
<b>GIZZARD SHAD</b>												
1977	15	9.3	466.73	2.3	2	0.2	14.58	2.4	17	1.5	481.31	2.3
1978	116	50.4	449.56	3.5	1	0.2	7.71	2.3	117	16.1	457.27	3.4
1979	6	8.3	770.41	5.0	0	0.0	0.00	0.0	6	0.9	770.41	4.8
1981	49	22.7	607.40	2.4	8	2.9	26.76	4.9	57	11.5	634.16	2.5
1982	13	43.3	993.00	7.8	0	0.0	0.00	0.0	13	12.1	993.00	7.7
1983	9	11.7	642.91	3.4	0	0.0	0.00	0.0	9	2.1	642.91	3.4
1984	1	1.6	310.00	1.4	0	0.0	0.00	0.0	1	0.4	310.00	1.4
1985	7	4.6	323.06	2.0	0	0.0	0.00	0.0	7	0.5	323.06	1.9
1986	32	19.3	4375.54	34.9	1	1.0	0.26	0.1	33	12.6	4375.80	34.3
TOTAL	248	21.3	8938.61	5.7	12	0.3	49.31	1.4	260	4.8	8987.92	5.6
<b>GRASS PICKEREL</b>												
1981	11	5.1	150.00	0.6	2	0.7	24.29	4.4	13	2.6	174.29	0.7
1984	0	0.0	0.00	0.0	1	0.5	8.05	5.7	1	0.4	8.05	0.0
1986	4	2.4	25.61	0.2	1	1.0	10.44	4.7	5	1.9	36.05	0.3
TOTAL	15	3.4	175.61	0.3	4	0.7	42.78	4.7	19	1.9	218.39	0.4
<b>NORTHERN PIKE</b>												
1979	1	1.4	65.00	0.4	0	0.0	0.00	0.0	1	0.1	65.00	0.4
1981	4	1.9	1432.00	5.7	0	0.0	0.00	0.0	4	0.8	1432.00	5.5
1983	1	1.3	21.00	0.1	0	0.0	0.00	0.0	1	0.2	21.00	0.1
1984	1	1.6	430.00	1.9	0	0.0	0.00	0.0	1	0.4	430.00	1.9
1985	3	2.0	433.00	2.7	0	0.0	0.00	0.0	3	0.2	433.00	2.6
1986	1	0.6	800.00	6.4	0	0.0	0.00	0.0	1	0.4	800.00	6.3
TOTAL	11	1.5	3181.00	2.9	0	0.0	0.00	0.0	11	0.3	3181.00	2.8
<b>CARP</b>												
1977	14	8.7	11021.00	54.1	0	0.0	0.00	0.0	14	1.3	11021.00	52.5
1978	5	2.2	8582.00	66.4	0	0.0	0.00	0.0	5	0.7	8582.00	64.7
1979	4	5.6	3370.00	21.7	0	0.0	0.00	0.0	4	0.6	3370.00	21.0
1981	16	7.4	10966.73	43.4	1	0.4	1.11	0.2	17	3.4	10967.84	42.5
1982	2	6.7	2280.00	17.8	0	0.0	0.00	0.0	2	1.9	2280.00	17.7
1983	2	2.6	2220.00	11.7	0	0.0	0.00	0.0	2	0.5	2220.00	11.6
1984	2	3.2	1438.00	6.5	0	0.0	0.00	0.0	2	0.7	1438.00	6.4
1985	3	2.0	4390.00	27.7	0	0.0	0.00	0.0	3	0.2	4390.00	26.1
TOTAL	48	4.8	44267.73	30.8	1	0.0	1.11	0.0	49	0.9	44268.84	30.1

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SILVERJAW MINNOW</b>									
1977	0	0.0	0.00	0.0	0.0	0.38	1	0.1	0.38
1978	0	0.0	0.00	3	0.6	0.73	3	0.4	0.73
1979	0	0.0	0.00	3	0.5	1.02	3	0.4	1.02
1983	0	0.0	0.00	1	0.3	0.43	1	0.2	0.43
1986	1	0.6	0.57	0	0.0	0.00	1	0.4	0.57
TOTAL	1	0.1	0.57	8	0.3	2.56	9	0.3	3.13
<b>HORNYHEAD CHUB</b>									
1977	0	0.0	0.00	4	0.4	2.18	4	0.4	2.18
1979	0	0.0	0.00	4	0.7	2.27	4	0.6	2.27
1983	0	0.0	0.00	1	0.3	0.22	1	0.2	0.22
1984	0	0.0	0.00	3	1.5	1.01	3	1.1	1.01
1985	0	0.0	0.00	43	3.4	34.16	43	3.1	34.16
TOTAL	0	0.0	0.00	55	1.6	39.84	55	1.4	39.84
<b>PALLID CHUB</b>									
1978	0	0.0	0.00	1	0.2	0.42	1	0.1	0.42
1979	0	0.0	0.00	5	0.8	1.82	5	0.7	1.82
1981	0	0.0	0.00	1	0.4	0.23	1	0.2	0.23
1984	0	0.0	0.00	1	0.5	0.31	1	0.4	0.31
1985	0	0.0	0.00	11	0.9	5.26	11	0.8	5.26
TOTAL	0	0.0	0.00	19	0.7	8.04	19	0.5	8.04
<b>GOLDEN SHINER</b>									
1979	1	1.4	14.00	0	0.0	0.00	1	0.1	14.00
1981	1	0.5	2.50	0	0.0	0.00	1	0.2	2.50
1985	1	0.7	3.15	0	0.0	0.00	1	0.1	3.15
TOTAL	3	0.7	19.65	0	0.0	0.00	3	0.1	19.65
<b>EMERALD SHINER</b>									
1977	1	0.6	4.98	0	0.0	0.00	1	0.1	4.98
1983	1	1.3	4.40	0	0.0	0.00	1	0.2	4.40
1985	0	0.0	0.00	1	0.1	0.11	1	0.1	0.11
TOTAL	2	0.5	9.38	1	0.0	0.11	3	0.1	9.49
<b>STRIPED SHINER</b>									
1978	0	0.0	0.00	5	1.0	1.41	5	0.7	1.41
1979	0	0.0	0.00	19	3.1	3.76	19	2.8	3.76
1982	0	0.0	0.00	2	2.6	0.66	2	1.9	0.66
1983	0	0.0	0.00	6	1.7	2.45	6	1.4	2.45
1984	0	0.0	0.00	21	10.2	5.68	21	7.9	5.68
1985	1	0.7	0.79	103	8.2	37.25	104	7.4	38.04
1986	3	1.8	3.30	4	4.2	8.18	7	2.7	11.48
TOTAL	4	0.5	4.09	160	5.2	59.39	164	4.2	63.48

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
RED SHINER	1981	0	0.0	0.00	0.0	0.0	1	0.2	2.21
	1985	0	0.0	0.00	0.0	0.0	2	0.1	1.73
TOTAL		0	0.0	0.00	0.0	0.0	3	0.2	3.94
ROSYFACE SHINER	1977	1	0.6	3.62	0.0	0.0	38	3.4	19.55
	1978	0	0.0	0.00	0.0	0.0	1	0.1	0.65
	1979	0	0.0	0.00	0.0	0.0	24	3.5	9.10
	1981	1	0.5	0.87	0.0	0.0	1	0.2	0.87
	1982	0	0.0	0.00	0.0	0.0	2	1.9	0.50
	1985	0	0.0	0.00	0.0	0.0	31	2.2	5.64
TOTAL		2	0.2	4.49	0.0	0.0	97	2.1	36.31
SPOTFIN SHINER	1977	8	5.0	24.96	0.1	0.1	118	10.7	90.07
	1978	6	2.6	23.50	0.2	0.2	19	2.6	48.46
	1979	2	2.8	13.48	0.1	0.1	322	47.0	234.65
	1981	7	3.2	16.85	0.1	0.1	21	4.2	22.08
	1982	1	3.3	5.99	0.0	0.0	11	10.3	29.96
	1983	8	10.4	24.27	0.1	0.1	33	7.8	40.51
	1984	6	9.7	16.91	0.1	0.1	63	23.6	49.49
	1985	3	2.0	15.05	0.1	0.1	451	32.1	129.31
	1986	8	4.8	14.47	0.1	0.1	9	3.4	15.37
TOTAL		49	4.2	155.48	0.1	0.1	1047	19.1	659.90
SAND SHINER	1977	1	0.6	1.97	0.0	0.0	57	5.2	21.15
	1978	0	0.0	0.00	0.0	0.0	184	25.3	55.12
	1979	0	0.0	0.00	0.0	0.0	99	14.5	43.38
	1981	0	0.0	0.00	0.0	0.0	40	8.1	23.20
	1982	0	0.0	0.00	0.0	0.0	15	14.0	5.67
	1983	2	2.6	3.02	0.0	0.0	116	27.5	73.03
	1984	1	1.6	1.05	0.0	0.0	56	21.0	22.33
	1985	0	0.0	0.00	0.0	0.0	182	13.0	55.11
	1986	1	0.6	0.16	0.0	0.0	1	0.4	0.16
TOTAL		5	0.4	6.20	0.0	0.0	750	13.7	299.15

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
REDFIN SHINER	1977	0	0.0	0.00	0.0	0.63	0.1	0.4	0.63
	1978	1	0.4	1.86	0.0	0.00	0.0	1	0.1
	1986	0	0.0	0.00	0.0	1.61	0.7	2	0.8
	TOTAL	1	0.2	1.86	0.0	2.24	0.2	7	0.3
MIMIC SHINER	1977	0	0.0	0.00	0.0	0.78	0.1	5	0.5
	1981	0	0.0	0.00	0.0	1.39	0.3	4	0.8
	TOTAL	0	0.0	0.00	0.0	2.17	0.2	9	0.6
SUCKERMOUTH MINNOW	1978	1	0.4	0.29	0.0	3.14	0.9	7	1.0
	1979	0	0.0	0.00	0.0	5.96	1.2	17	2.5
	1981	0	0.0	0.00	0.0	2.54	0.5	13	2.6
	1982	0	0.0	0.00	0.0	2.19	3.4	6	5.6
	1983	0	0.0	0.00	0.0	13.54	7.1	30	7.1
	1984	0	0.0	0.00	0.0	2.71	1.9	8	3.0
	1985	0	0.0	0.00	0.0	6.90	0.7	10	0.7
	1986	3	1.8	2.38	0.0	1.17	0.5	7	2.7
	TOTAL	4	0.4	2.67	0.0	38.15	1.3	98	2.2
BLUNTNOSE MINNOW	1977	11	6.8	21.84	0.1	113.34	18.4	195	17.7
	1978	11	4.8	28.67	0.2	135.13	39.9	191	26.3
	1979	1	1.4	4.29	0.0	10.46	2.1	26	3.8
	1981	1	0.5	1.00	0.0	21.07	3.9	44	8.9
	1982	0	0.0	0.00	0.0	8.08	12.4	14	13.1
	1983	0	0.0	0.00	0.0	19.11	10.0	53	12.6
	1984	0	0.0	0.00	0.0	4.97	3.5	14	5.2
	1985	11	7.3	36.20	0.2	78.42	7.7	160	11.4
	1986	30	18.1	27.93	0.2	22.96	10.3	80	30.5
	TOTAL	65	5.6	119.93	0.1	413.54	11.4	777	14.2
FATHEAD MINNOW	1979	0	0.0	0.00	0.0	3.36	0.7	1	0.1
	TOTAL	0	0.0	0.00	0.0	3.36	0.7	1	0.1

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BULLHEAD MINNOW	1977	14	8.7	38.73	0.2	189	20.0	104.63	17.0	203	18.4	143.36	0.7
	1978	8	3.5	14.99	0.1	44	8.9	47.51	14.0	52	7.2	62.50	0.5
	1979	11	15.3	34.37	0.2	36	5.9	38.97	7.8	47	6.9	73.34	0.5
	1981	3	1.4	10.95	0.0	96	34.4	55.54	10.2	99	20.0	66.49	0.3
	1982	1	3.3	2.88	0.0	8	10.4	7.51	11.5	9	8.4	10.39	0.1
	1983	3	3.9	5.97	0.0	37	10.7	13.76	7.2	40	9.5	19.73	0.1
	1984	2	3.2	8.25	0.0	30	14.6	5.72	4.1	32	12.0	13.97	0.1
	1985	2	1.3	9.68	0.1	22	1.8	36.97	3.6	24	1.7	46.65	0.3
	1986	2	1.2	3.98	0.0	1	1.0	0.78	0.3	3	1.1	4.76	0.0
TOTAL	46	3.9	129.80	0.1	463	10.7	311.39	8.6	509	9.3	441.19	0.3	
CREEK CHUB	1983	0	0.0	0.00	0.0	11	3.2	4.38	2.3	11	2.6	4.38	0.0
	1985	0	0.0	0.00	0.0	6	0.5	4.08	0.4	6	0.4	4.08	0.0
	TOTAL	0	0.0	0.00	0.0	17	1.1	8.46	0.7	17	0.9	8.46	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	274	29.1	14.20	2.3	274	24.8	14.20	0.1
	1978	0	0.0	0.00	0.0	2	0.4	0.04	0.0	2	0.3	0.04	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.06	0.1	1	0.9	0.06	0.0
	1983	0	0.0	0.00	0.0	5	1.4	0.40	0.2	5	1.2	0.40	0.0
	1984	0	0.0	0.00	0.0	1	0.5	0.05	0.0	1	0.4	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	283	13.7	14.75	1.1	283	10.8	14.75	0.0
QUILLBACK	1977	4	2.5	20.29	0.1	1	0.1	3.48	0.6	5	0.5	23.77	0.1
	1978	10	4.3	1994.00	15.4	0	0.0	0.00	0.0	10	1.4	1994.00	15.0
	1979	10	13.9	4667.00	30.0	0	0.0	0.00	0.0	10	1.5	4667.00	29.1
	1981	10	4.6	3685.00	14.6	0	0.0	0.00	0.0	10	2.0	3685.00	14.3
	1982	1	3.3	750.00	5.9	0	0.0	0.00	0.0	1	0.9	750.00	5.8
	1983	23	29.9	13247.00	70.0	0	0.0	0.00	0.0	23	5.5	13247.00	69.3
	1984	26	41.9	15476.00	69.6	0	0.0	0.00	0.0	26	9.7	15476.00	69.2
	1985	5	3.3	568.99	3.6	1	0.1	5.36	0.5	6	0.4	574.35	3.4
	1986	7	4.2	4069.00	32.4	0	0.0	0.00	0.0	7	2.7	4069.00	31.9
	TOTAL	96	8.2	44477.28	28.4	2	0.0	8.84	0.2	98	1.8	44486.12	27.8



APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
<b>NORTHERN HOGSUCKER</b>												
1983	1	1.3	435.00	2.3	0	0.0	0.00	0.0	1	0.2	435.00	2.3
1984	1	1.6	600.00	2.7	0	0.0	0.00	0.0	1	0.4	600.00	2.7
1985	1	0.7	3.86	0.0	0	0.0	0.00	0.0	1	0.1	3.86	0.0
TOTAL	3	1.0	1038.86	1.8	0	0.0	0.00	0.0	3	0.1	1038.86	1.8
<b>SMALLMOUTH BUFFALO</b>												
1981	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.3
TOTAL	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.3
<b>BIGMOUTH BUFFALO</b>												
1982	1	3.3	600.00	4.7	0	0.0	0.00	0.0	1	0.9	600.00	4.7
1984	1	1.6	1140.00	5.1	0	0.0	0.00	0.0	1	0.4	1140.00	5.1
TOTAL	2	2.2	1740.00	5.0	0	0.0	0.00	0.0	2	0.5	1740.00	4.9
<b>SILVER REDHORSE</b>												
1977	1	0.6	705.00	3.5	0	0.0	0.00	0.0	1	0.1	705.00	3.4
1978	1	0.4	910.00	7.0	0	0.0	0.00	0.0	1	0.1	910.00	6.9
1979	0	0.0	0.00	0.0	1	0.2	2.60	0.5	1	0.1	2.60	0.0
1981	1	0.5	150.00	0.6	1	0.4	24.39	4.5	2	0.4	174.39	0.7
1982	6	20.0	3840.00	30.0	0	0.0	0.00	0.0	6	5.6	3840.00	29.9
1984	3	4.8	1210.00	5.4	0	0.0	0.00	0.0	3	1.1	1210.00	5.4
1985	3	2.0	2430.00	15.4	3	0.2	3.57	0.3	6	0.4	2433.57	14.4
1986	2	1.2	95.00	0.8	0	0.0	0.00	0.0	2	0.8	95.00	0.7
TOTAL	17	1.6	9340.00	6.8	5	0.1	30.56	0.9	22	0.4	9370.56	6.6
<b>RIVER REDHORSE</b>												
1982	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
TOTAL	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
<b>GOLDEN REDHORSE</b>												
1977	3	1.9	140.00	0.7	0	0.0	0.00	0.0	3	0.3	140.00	0.7
1978	3	1.3	25.27	0.2	0	0.0	0.00	0.0	3	0.4	25.27	0.2
1979	8	11.1	959.00	6.2	1	0.2	30.00	6.0	9	1.3	989.00	6.2
1981	3	1.4	840.00	3.3	0	0.0	0.00	0.0	3	0.6	840.00	3.3
1982	1	3.3	470.00	3.7	0	0.0	0.00	0.0	1	0.9	470.00	3.7
1983	1	1.3	405.00	2.1	0	0.0	0.00	0.0	1	0.2	405.00	2.1
1984	2	3.2	725.00	3.3	0	0.0	0.00	0.0	2	0.7	725.00	3.2
1985	8	5.3	2149.05	13.6	58	4.6	54.57	5.3	66	4.7	2203.62	13.1
1986	7	4.2	1837.05	14.6	0	0.0	0.00	0.0	7	2.7	1837.05	14.4
TOTAL	36	3.1	7550.37	4.8	59	1.4	84.57	2.3	95	1.7	7634.94	4.8

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---			
	NO. %NO.	WT(G)	%WT	NO. %NO.	WT(G)	%WT	NO. %NO.	WT(G)	%WT	NO. %NO.	WT(G)	%WT
<b>SHORTHEAD REDHORSE</b>												
1977	4	2.5	336.00	1.6	0	0.0	0	0.0	0.00	4	0.4	336.00
1981	6	2.8	2215.00	8.8	0	0.0	0	0.0	0.00	6	1.2	2215.00
1982	1	3.3	440.00	3.4	0	0.0	0	0.0	0.00	1	0.9	440.00
1985	1	0.7	2.34	0.0	4	0.3	6.30	0.6	6.30	5	0.4	8.64
TOTAL	12	2.2	2993.34	4.0	4	0.2	6.30	0.3	6.30	16	0.5	2999.64
<b>UNIDENTIFIED REDHORSE</b>												
1977	3	1.9	10.67	0.1	0	0.0	0.00	0.0	0.00	3	0.3	10.67
1978	1	0.4	1.25	0.0	29	5.8	17.65	5.2	17.65	30	4.1	18.90
1979	0	0.0	0.00	0.0	6	1.0	3.56	0.7	3.56	6	0.9	3.56
1981	0	0.0	0.00	0.0	6	2.2	1.83	0.3	1.83	6	1.2	1.83
1983	0	0.0	0.00	0.0	10	2.9	4.96	2.6	4.96	10	2.4	4.96
TOTAL	4	0.5	11.92	0.0	51	1.9	28.00	1.3	28.00	55	1.6	39.92
<b>CHANNEL CATFISH</b>												
1977	3	1.9	1684.00	8.3	0	0.0	0.00	0.0	0.00	3	0.3	1684.00
1979	2	2.8	4158.00	26.7	0	0.0	0.00	0.0	0.00	2	0.3	4158.00
1986	0	0.0	0.00	0.0	1	1.0	0.15	0.1	0.15	1	0.4	0.15
TOTAL	5	1.3	5842.00	12.0	1	0.1	0.15	0.0	0.15	6	0.3	5842.15
<b>STONECAT</b>												
1985	1	0.7	28.00	0.2	0	0.0	0.00	0.0	0.00	1	0.1	28.00
TOTAL	1	0.7	28.00	0.2	0	0.0	0.00	0.0	0.00	1	0.1	28.00
<b>BLACKSTRIPE TOPMINNOW</b>												
1977	0	0.0	0.00	0.0	3	0.3	0.84	0.1	0.84	3	0.3	0.84
1978	0	0.0	0.00	0.0	1	0.2	0.23	0.1	0.23	1	0.1	0.23
1981	0	0.0	0.00	0.0	1	0.4	0.24	0.0	0.24	1	0.2	0.24
1985	0	0.0	0.00	0.0	21	1.7	12.38	1.2	12.38	21	1.5	12.38
TOTAL	0	0.0	0.00	0.0	26	0.9	13.69	0.5	13.69	26	0.7	13.69
<b>BROOK SILVERSIDE</b>												
1977	0	0.0	0.00	0.0	2	0.2	0.76	0.1	0.76	2	0.2	0.76
1985	0	0.0	0.00	0.0	23	1.8	4.94	0.5	4.94	23	1.6	4.94
1986	4	2.4	8.07	0.1	0	0.0	0.00	0.0	0.00	4	1.5	8.07
TOTAL	4	0.8	8.07	0.0	25	1.1	5.70	0.3	5.70	29	1.0	13.77
<b>YELLOW BASS</b>												
1978	1	0.4	16.00	0.1	0	0.0	0.00	0.0	0.00	1	0.1	16.00
TOTAL	1	0.4	16.00	0.1	0	0.0	0.00	0.0	0.00	1	0.1	16.00

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
ROCK BASS	1977	15	9.3	1439.00	7.1	4	0.4	92.14	15.0	19	1.7	1531.14	7.3
	1978	1	0.4	102.00	0.8	0	0.0	0.00	0.0	1	0.1	102.00	0.8
	1979	6	8.3	583.00	3.7	0	0.0	0.00	0.0	6	0.9	583.00	3.6
	1981	8	3.7	780.00	3.1	1	0.4	0.16	0.0	9	1.8	780.16	3.0
	1983	2	2.6	208.00	1.1	0	0.0	0.00	0.0	2	0.5	208.00	1.1
	1984	1	1.6	205.00	0.9	1	0.5	0.05	0.0	2	0.7	205.05	0.9
	1985	3	2.0	48.75	0.3	10	0.8	34.17	3.3	13	0.9	82.92	0.5
	1986	2	1.2	43.59	0.3	0	0.0	0.00	0.0	2	0.8	43.59	0.3
	TOTAL	38	3.3	3409.34	2.4	16	0.4	126.52	3.5	54	1.0	3535.86	2.4
GREEN SUNFISH	1977	7	4.3	166.21	0.8	2	0.2	0.82	0.1	9	0.8	167.03	0.8
	1978	2	0.9	18.00	0.1	0	0.0	0.00	0.0	2	0.3	18.00	0.1
	1979	4	5.6	60.00	0.4	0	0.0	0.00	0.0	4	0.6	60.00	0.4
	1981	16	7.4	301.00	1.2	0	0.0	0.00	0.0	16	3.2	301.00	1.2
	1984	2	3.2	35.10	0.2	1	0.5	53.00	37.8	3	1.1	88.10	0.4
	1985	9	6.0	465.03	2.9	0	0.0	0.00	0.0	9	0.6	465.03	2.8
	1986	3	1.8	106.21	0.8	0	0.0	0.00	0.0	3	1.1	106.21	0.8
	TOTAL	43	4.1	1151.55	0.9	3	0.1	53.82	1.6	46	0.9	1205.37	0.9
	PUMPKINSEED	1986	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00
TOTAL		1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
ORANGESPOTTED SUNFISH	1977	2	1.2	14.88	0.1	15	1.6	5.37	0.9	17	1.5	20.25	0.1
	1978	3	1.3	24.00	0.2	0	0.0	0.00	0.0	3	0.4	24.00	0.2
	1979	5	6.9	36.00	0.2	1	0.2	18.00	3.6	6	0.9	54.00	0.3
	1981	23	10.6	168.06	0.7	16	5.7	58.07	10.6	39	7.9	226.13	0.9
	1984	1	1.6	12.00	0.1	0	0.0	0.00	0.0	1	0.4	12.00	0.1
	1985	9	6.0	95.31	0.6	4	0.3	22.57	2.2	13	0.9	117.88	0.7
	1986	3	1.8	35.03	0.3	15	15.6	71.81	32.2	18	6.9	106.84	0.8
	TOTAL	46	4.3	385.28	0.3	51	1.3	175.82	5.2	97	2.0	561.10	0.4
	BLUEGILL	1977	2	1.2	128.12	0.6	4	0.4	1.77	0.3	6	0.5	129.89
1978		8	3.5	85.00	0.7	0	0.0	0.00	0.0	8	1.1	85.00	0.6
1981		6	2.8	176.00	0.7	0	0.0	0.00	0.0	6	1.2	176.00	0.7
1982		1	3.3	24.00	0.2	0	0.0	0.00	0.0	1	0.9	24.00	0.2
1983		7	9.1	317.00	1.7	1	0.3	21.48	11.2	8	1.9	338.48	1.8
1985		2	1.3	91.00	0.6	7	0.6	0.94	0.1	9	0.6	91.94	0.5
1986		14	8.4	244.63	1.9	2	2.1	4.47	2.0	16	6.1	249.10	2.0
TOTAL		40	3.9	1065.75	0.9	14	0.4	28.66	1.0	54	1.2	1094.41	0.9

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
CENTRAL LONGEAR SUNFISH	1977	3	1.9	58.00	0.3	1	0.1	10.68	1.7
	TOTAL	3	1.9	58.00	0.3	1	0.1	10.68	1.7
NORTHERN LONGEAR SUNFISH	1977	4	2.5	40.01	0.2	3	0.3	17.57	2.9
	TOTAL	4	2.5	40.01	0.2	3	0.3	17.57	2.9
LONGEAR SUNFISH	1977	11	6.8	124.72	0.6	13	1.4	5.05	0.8
	1978	19	8.3	280.00	2.2	3	0.6	9.97	2.9
	1981	8	3.7	88.68	0.4	11	3.9	20.26	3.7
	1983	1	1.3	23.00	0.1	0	0.0	0.00	0.0
	1984	1	1.6	4.11	0.0	0	0.0	0.00	0.0
	1985	21	13.9	227.57	1.4	36	2.9	150.01	14.7
	1986	24	14.5	316.23	2.5	12	12.5	95.37	42.7
	TOTAL	85	8.0	1064.31	0.8	75	2.1	280.66	9.1
GREEN SUNFISH X BLUEGILL	1977	1	0.6	68.00	0.3	0	0.0	0.00	0.0
	1983	1	1.3	38.00	0.2	0	0.0	0.00	0.0
	TOTAL	2	0.8	106.00	0.3	0	0.0	0.00	0.0
GREEN X LONGEAR SUNFISH	1981	1	0.5	5.00	0.0	0	0.0	0.00	0.0
	1985	1	0.7	46.00	0.3	0	0.0	0.00	0.0
	TOTAL	2	0.5	51.00	0.1	0	0.0	0.00	0.0
GREEN SUNFISH HYBRID	1981	2	0.9	5.00	0.0	0	0.0	0.00	0.0
	TOTAL	2	0.9	5.00	0.0	0	0.0	0.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	3	0.3	0.07	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.17	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.17	0.3
	1983	0	0.0	0.00	0.0	27	7.8	3.01	1.6
SMALLMOUTH BASS	TOTAL	0	0.0	0.00	0.0	32	1.9	3.42	0.2
	1977	15	9.3	3259.16	16.0	2	0.2	63.51	10.3
	1978	6	2.6	87.84	0.7	0	0.0	0.00	0.0
	1979	4	5.6	443.31	2.9	5	0.8	14.99	3.0
	1981	5	2.3	90.00	0.4	7	2.5	48.55	8.9
	1982	0	0.0	0.00	0.0	2	2.6	5.09	7.8
	1983	8	10.4	826.00	4.4	0	0.0	0.00	0.0
	1984	9	14.5	612.84	2.8	0	0.0	0.00	0.0
	1985	36	23.8	3857.74	24.4	10	0.8	234.03	22.9
	1986	10	6.0	387.00	3.1	0	0.0	0.00	0.0
TOTAL	1977	93	8.0	9563.89	6.1	26	0.6	366.17	10.1
	TOTAL	119	2.2	9930.06	6.2	119	2.2	9930.06	6.2

APPENDIX D-9 (CONT. ). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
<b>LARGEMOUTH BASS</b>									
1977	7	4.3	143.74	0.7	1	0.1	23.71	3.9	0.8
1978	23	10.0	194.43	1.5	7	1.4	25.04	7.4	1.7
1979	1	1.4	96.00	0.6	0	0.0	0.00	0.0	0.6
1981	9	4.2	1262.00	5.0	2	0.7	173.00	31.7	5.6
1983	5	6.5	238.00	1.3	2	0.6	12.57	6.6	1.3
1984	2	3.2	6.91	0.0	0	0.0	0.00	0.0	0.0
1985	13	8.6	433.09	2.7	11	0.9	65.15	6.4	3.0
1986	3	1.8	99.63	0.8	1	1.0	4.67	2.1	0.8
TOTAL	63	5.6	2473.80	1.7	24	0.6	304.14	8.5	1.9
<b>WHITE CRAPPIE</b>									
1977	1	0.6	0.32	0.0	2	0.2	2.44	0.4	0.0
1979	4	5.6	242.00	1.6	3	0.5	73.50	14.8	2.0
1981	22	10.2	1435.00	5.7	3	1.1	38.72	7.1	5.7
1982	1	3.3	200.00	1.6	1	1.3	0.55	0.8	1.6
1983	2	2.6	265.00	1.4	0	0.0	0.00	0.0	1.4
TOTAL	30	5.4	2142.32	2.3	9	0.4	115.21	6.0	2.4
<b>BLACK CRAPPIE</b>									
1977	10	6.2	464.86	2.3	8	0.8	24.54	4.0	2.3
1981	1	0.5	10.00	0.0	7	2.5	17.42	3.2	0.1
TOTAL	11	2.9	474.86	1.0	15	1.2	41.96	3.6	1.1
<b>RAINBOW DARTER</b>									
1977	0	0.0	0.00	0.0	1	0.1	0.43	0.1	0.0
TOTAL	0	0.0	0.00	0.0	1	0.1	0.43	0.1	0.0
<b>JOHNNY DARTER</b>									
1977	0	0.0	0.00	0.0	8	0.8	5.75	0.9	0.0
1978	1	0.4	0.42	0.0	14	2.8	6.02	1.8	0.0
1979	0	0.0	0.00	0.0	36	5.9	9.64	1.9	0.1
1982	0	0.0	0.00	0.0	11	14.3	3.58	5.5	0.0
1983	0	0.0	0.00	0.0	18	5.2	5.49	2.9	0.0
1984	0	0.0	0.00	0.0	12	5.9	4.92	3.5	0.0
1985	1	0.7	0.80	0.0	35	2.8	21.67	2.1	0.1
1986	1	0.6	0.23	0.0	1	1.0	0.40	0.2	0.0
TOTAL	3	0.3	1.45	0.0	135	3.4	57.47	1.9	0.0

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>YELLOW PERCH</b>									
1978	3	1.3	87.00	0	0.0	0.00	3	0.4	87.00
1985	0	0.0	0.00	1	0.1	1.84	1	0.1	1.84
TOTAL	3	0.8	87.00	1	0.1	1.84	4	0.2	88.84
<b>BLACKSIDE DARTER</b>									
1977	0	0.0	0.00	1	0.1	2.14	1	0.1	2.14
1978	0	0.0	0.00	3	0.6	2.82	3	0.4	2.82
1979	0	0.0	0.00	6	1.0	3.24	6	0.9	3.24
1982	0	0.0	0.00	3	3.9	2.36	3	2.8	2.36
1983	0	0.0	0.00	4	1.2	3.22	4	0.9	3.22
1985	0	0.0	0.00	17	1.4	24.04	17	1.2	24.04
TOTAL	0	0.0	0.00	34	0.9	37.82	34	0.8	37.82
<b>SLENDERHEAD DARTER</b>									
1977	0	0.0	0.00	3	0.3	2.39	3	0.3	2.39
1979	0	0.0	0.00	1	0.2	0.39	1	0.1	0.39
1985	0	0.0	0.00	3	0.2	0.98	3	0.2	0.98
TOTAL	0	0.0	0.00	7	0.2	3.76	7	0.2	3.76

APPENDIX D-10. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>LONGNOSE GAR</b>									
1977	1	0.4	90.00	0	0.0	0.00	1	0.2	90.00
1978	1	0.3	190.00	0	0.0	0.00	1	0.3	190.00
1986	0	0.0	0.00	1	1.3	0.54	1	0.3	0.54
TOTAL	2	0.2	280.00	1	0.3	0.54	3	0.2	280.54
<b>BOWFIN</b>									
1978	1	0.3	66.00	0	0.0	0.00	1	0.3	66.00
TOTAL	1	0.3	66.00	0	0.0	0.00	1	0.3	66.00
<b>GIZZARD SHAD</b>									
1977	1	0.4	5.23	2	0.7	0.93	3	0.5	6.16
1978	54	14.4	431.66	0	0.0	0.00	54	14.0	431.66
1981	5	1.6	22.00	0	0.0	0.00	5	1.5	22.00
1982	7	7.2	637.75	0	0.0	0.00	7	4.0	637.75
1983	1	0.9	240.00	0	0.0	0.00	1	0.3	240.00
1984	1	0.8	198.00	0	0.0	0.00	1	0.4	198.00
1985	1	0.4	4.80	0	0.0	0.00	1	0.2	4.80
1986	2	0.7	255.00	0	0.0	0.00	2	0.6	255.00
TOTAL	72	3.9	1794.44	2	0.2	0.93	74	2.4	1795.37
<b>GRASS PICKEREL</b>									
1978	6	1.6	106.00	0	0.0	0.00	6	1.6	106.00
1981	0	0.0	0.00	1	4.3	2.04	1	0.3	2.04
1985	1	0.4	62.00	0	0.0	0.00	1	0.2	62.00
1986	0	0.0	0.00	3	3.9	60.19	3	0.8	60.19
TOTAL	7	0.6	168.00	4	0.8	62.23	11	0.6	230.23
<b>NORTHERN PIKE</b>									
1978	1	0.3	37.00	0	0.0	0.00	1	0.3	37.00
1981	1	0.3	525.00	0	0.0	0.00	1	0.3	525.00
1982	1	1.0	30.00	0	0.0	0.00	1	0.6	30.00
1984	1	0.8	49.00	0	0.0	0.00	1	0.4	49.00
TOTAL	4	0.4	641.00	0	0.0	0.00	4	0.3	641.00
<b>CARP</b>									
1977	10	3.8	11285.50	0	0.0	0.00	10	1.8	11285.50
1978	3	0.8	3515.00	0	0.0	0.00	3	0.8	3515.00
1979	6	2.2	6560.00	0	0.0	0.00	6	1.7	6560.00
1981	12	3.9	8819.00	0	0.0	0.00	12	3.7	8819.00
1982	3	3.1	2140.00	0	0.0	0.00	3	1.7	2140.00
1984	1	0.8	1100.00	0	0.0	0.00	1	0.4	1100.00
TOTAL	35	2.4	33419.50	0	0.0	0.00	35	1.7	33419.50

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	0.0	1	0.3	0.16
	1978	0	0.0	0.00	0.0	0.0	1	9.1	0.25
	1979	0	0.0	0.00	0.0	0.0	3	4.1	1.24
	TOTAL	0	0.0	0.00	0.0	0.0	5	1.3	1.65
EMERALD SHINER	1977	2	0.8	12.19	0.0	0.0	0	0.0	0.00
	1985	0	0.0	0.00	0.0	0.0	5	1.3	0.35
	TOTAL	2	0.4	12.19	0.0	0.0	5	0.7	0.35
STRIPED SHINER	1977	0	0.0	0.00	0.0	0.0	2	0.7	1.84
	1978	3	0.8	17.35	0.1	1.45	6	54.5	28.9
	1979	0	0.0	0.00	0.0	0.0	13	17.6	2.79
	1981	0	0.0	0.00	0.0	0.0	1	4.3	0.27
	1982	1	1.0	7.07	0.0	39.44	43	56.6	66.8
	1983	0	0.0	0.00	0.0	76.30	248	90.5	90.5
	1984	0	0.0	0.00	0.0	24.50	111	86.0	81.7
	1985	3	1.1	17.79	0.0	49.92	137	35.5	53.3
	1986	1	0.4	5.20	0.0	5.68	23	29.9	1.2
	TOTAL	8	0.4	47.41	0.0	202.19	584	43.0	11.2
ROSYFACE SHINER	1977	1	0.4	6.09	0.0	6.39	14	4.6	1.7
	1979	0	0.0	0.00	0.0	6.33	19	25.7	1.7
	1982	0	0.0	0.00	0.0	12.06	30	39.5	20.4
	1983	1	0.9	0.78	0.0	0.17	3	1.1	0.2
	1984	0	0.0	0.00	0.0	0.22	1	0.8	0.7
	1985	2	0.7	0.70	0.0	3.00	23	6.0	3.2
	TOTAL	4	0.4	7.57	0.0	28.17	90	7.2	2.8
SPOTFIN SHINER	1977	11	4.2	47.53	0.1	97.21	110	35.8	25.5
	1978	5	1.3	17.12	0.1	1.28	1	9.1	25.5
	1979	1	0.4	1.97	0.0	8.78	8	10.8	2.4
	1981	1	0.3	3.50	0.0	14.13	11	47.8	4.3
	1982	2	2.1	7.76	0.0	4.00	1	1.3	6.8
	1983	9	8.1	30.34	0.1	1.85	4	1.5	2.2
	1984	0	0.0	0.00	0.0	4.63	8	6.2	15.4
	1985	22	8.1	86.36	0.2	0.55	7	1.8	0.6
	TOTAL	51	2.8	194.58	0.1	132.43	150	11.7	9.8



APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SAND SHINER	1977	0	0.0	0.00	0.0	21	6.8	2.68	0.7	21	3.7	2.68	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.22	0.1	1	0.3	0.22	0.0
	1986	4	1.4	3.56	0.0	0	0.0	0.00	0.0	4	1.1	3.56	0.0
	TOTAL	4	0.5	3.56	0.0	22	4.8	2.90	0.2	26	2.1	6.46	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	8	2.6	1.19	0.3	8	1.4	1.19	0.0
	TOTAL	0	0.0	0.00	0.0	8	2.6	1.19	0.3	8	1.4	1.19	0.0
MIMIC SHINER	1986	1	0.4	0.54	0.0	0	0.0	0.00	0.0	1	0.3	0.54	0.0
	TOTAL	1	0.4	0.54	0.0	0	0.0	0.00	0.0	1	0.3	0.54	0.0
SUCKERMOUTH MINNOW	1979	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
	TOTAL	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
BLUNTNOSE MINNOW	1977	3	1.2	11.33	0.0	27	8.8	21.25	5.6	30	5.3	32.58	0.1
	1978	31	8.3	62.76	0.4	2	18.2	1.55	30.9	33	8.5	64.31	0.4
	1979	6	2.2	26.32	0.1	17	23.0	14.31	3.9	23	6.6	40.63	0.1
	1981	1	0.3	2.90	0.0	2	8.7	1.53	0.5	3	0.9	4.43	0.0
	1982	1	1.0	4.50	0.0	1	1.3	2.46	4.2	2	1.2	6.96	0.0
	1985	4	1.5	9.62	0.0	5	1.3	1.66	1.8	9	1.4	11.28	0.0
	1986	11	4.0	19.11	0.1	11	14.3	10.34	2.3	22	6.2	29.45	0.1
	TOTAL	57	3.1	136.54	0.0	65	6.8	53.10	3.1	122	4.3	189.64	0.1
FATHEAD MINNOW	1981	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
	TOTAL	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
BULLHEAD MINNOW	1977	1	0.4	2.52	0.0	24	7.8	9.80	2.6	25	4.4	12.32	0.0
	1978	1	0.3	1.88	0.0	0	0.0	0.00	0.0	1	0.3	1.88	0.0
	1979	1	0.4	3.25	0.0	0	0.0	0.00	0.0	1	0.3	3.25	0.0
	1983	1	0.9	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	4	1.5	11.97	0.0	0	0.0	0.00	0.0	4	0.6	11.97	0.0
	TOTAL	8	0.6	22.53	0.0	24	2.3	9.80	1.0	32	1.4	32.33	0.0

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	0	0.0	0.00	60	10.6	3.23
1983	0	0.0	0.00	0	0.0	0.00	15	3.9	0.68
1984	0	0.0	0.00	5	3.9	0.34	5	1.9	0.34
TOTAL	0	0.0	0.00	80	11.3	4.25	80	6.6	4.25
<b>QUILLBACK</b>									
1977	5	1.9	3184.00	0	0.0	0.00	5	0.9	3184.00
1978	5	1.3	2014.00	0	0.0	0.00	5	1.3	2014.00
1979	7	2.6	1358.00	0	0.0	0.00	7	2.0	1358.00
1981	1	0.3	600.00	0	0.0	0.00	1	0.3	600.00
1982	5	5.2	2220.00	0	0.0	0.00	5	2.9	2220.00
1983	31	27.9	15742.00	0	0.0	0.00	31	8.1	15742.00
1984	20	15.3	11306.00	0	0.0	0.00	20	7.7	11306.00
1985	18	6.6	9705.00	0	0.0	0.00	18	2.7	9705.00
1986	3	1.1	1785.00	0	0.0	0.00	3	0.8	1785.00
TOTAL	95	4.5	47914.00	0	0.0	0.00	95	2.7	47914.00
<b>NORTHERN HOGSUCKER</b>									
1979	2	0.7	1046.00	0	0.0	0.00	2	0.6	1046.00
1981	4	1.3	1365.00	0	0.0	0.00	4	1.2	1365.00
1982	5	5.2	2005.00	0	0.0	0.00	5	2.9	2005.00
1983	3	2.7	1186.00	0	0.0	0.00	3	0.8	1186.00
1984	12	9.2	5204.00	0	0.0	0.00	12	4.6	5204.00
1985	7	2.6	2279.00	0	0.0	0.00	7	1.1	2279.00
1986	4	1.4	401.00	0	0.0	0.00	4	1.1	401.00
TOTAL	37	2.5	13486.00	0	0.0	0.00	37	1.5	13486.00
<b>BIGMOUTH BUFFALO</b>									
1979	1	0.4	2155.00	0	0.0	0.00	1	0.3	2155.00
TOTAL	1	0.4	2155.00	0	0.0	0.00	1	0.3	2155.00
<b>SPOTTED SUCKER</b>									
1985	1	0.4	0.91	0	0.0	0.00	1	0.2	0.91
TOTAL	1	0.4	0.91	0	0.0	0.00	1	0.2	0.91
<b>SILVER REDHORSE</b>									
1977	3	1.2	795.27	0	0.0	0.00	3	0.5	795.27
1978	1	0.3	54.00	0	0.0	0.00	1	0.3	54.00
1979	2	0.7	1503.00	0	0.0	0.00	2	0.6	1503.00
1981	13	4.3	6083.00	0	0.0	0.00	13	4.0	6083.00
1982	7	7.2	7020.00	0	0.0	0.00	7	4.0	7020.00
1983	7	6.3	4085.00	0	0.0	0.00	7	1.8	4085.00
1984	7	5.3	7535.00	0	0.0	0.00	7	2.7	7535.00
1985	1	0.4	185.00	0	0.0	0.00	1	0.2	185.00
1986	2	0.7	2860.00	0	0.0	0.00	2	0.6	2860.00
TOTAL	43	2.0	30120.27	0	0.0	0.00	43	1.2	30120.27

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>RIVER REDHORSE</b>									
1977	17	6.5	1872.00	3.6	1	0.3	2.52	0.7	1874.52
1978	3	0.8	203.00	1.2	0	0.0	0.00	0.0	203.00
1979	20	7.4	492.30	1.6	0	0.0	0.00	0.0	492.30
1981	5	1.6	2099.00	2.7	0	0.0	0.00	0.0	2099.00
1982	3	3.1	1590.00	6.4	0	0.0	0.00	0.0	1590.00
1983	1	0.9	56.00	0.2	0	0.0	0.00	0.0	56.00
1985	1	0.4	45.00	0.1	0	0.0	0.00	0.0	45.00
1986	29	10.5	2374.18	8.9	0	0.0	0.00	0.0	2374.18
TOTAL	79	4.0	8731.48	2.9	1	0.1	2.52	0.1	8734.00
<b>GOLDEN REDHORSE</b>									
1977	38	14.6	10406.00	20.2	0	0.0	0.00	0.0	10406.00
1978	11	2.9	581.00	3.4	0	0.0	0.00	0.0	581.00
1979	50	18.4	4623.68	15.4	1	1.4	13.24	3.6	4636.92
1981	70	23.0	11136.90	14.6	0	0.0	0.00	0.0	11136.90
1982	11	11.3	1938.00	7.8	0	0.0	0.00	0.0	1938.00
1983	16	14.4	5629.00	18.0	0	0.0	0.00	0.0	5629.00
1984	37	28.2	6473.00	15.9	0	0.0	0.00	0.0	6473.00
1985	51	18.8	12331.51	25.9	0	0.0	0.00	0.0	12331.51
1986	74	26.7	8139.46	30.6	3	3.9	56.74	12.5	8196.20
TOTAL	358	17.1	61258.55	17.7	4	0.3	69.98	3.9	61328.53
<b>SHORTHEAD REDHORSE</b>									
1977	27	10.4	6797.34	13.2	0	0.0	0.00	0.0	6797.34
1978	2	0.5	27.32	0.2	0	0.0	0.00	0.0	27.32
1979	9	3.3	1151.80	3.8	0	0.0	0.00	0.0	1151.80
1981	67	22.0	28420.00	37.2	0	0.0	0.00	0.0	28420.00
1982	5	5.2	1650.00	6.6	0	0.0	0.00	0.0	1650.00
1983	2	1.8	130.00	0.4	0	0.0	0.00	0.0	130.00
1984	4	3.1	210.00	0.5	0	0.0	0.00	0.0	210.00
1985	13	4.8	2788.07	5.9	0	0.0	0.00	0.0	2788.07
1986	24	8.7	846.00	3.2	0	0.0	0.00	0.0	846.00
TOTAL	153	7.3	42020.53	12.1	0	0.0	0.00	0.0	42020.53
<b>UNIDENTIFIED REDHORSE</b>									
1977	10	3.8	39.84	0.1	0	0.0	0.00	0.0	39.84
1978	17	4.5	14.14	0.1	0	0.0	0.00	0.0	14.14
1979	1	0.4	1.02	0.0	2	2.7	1.14	0.3	2.16
TOTAL	28	3.1	55.00	0.1	2	0.5	1.14	0.2	56.14

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
BLACK BULLHEAD	1981	1	0.3	140.00	0.2	0.0	0.0	0.0	140.00
TOTAL	1	0.3	140.00	0.2	0.0	0.0	1	0.3	140.00
CHANNEL CATFISH	1977	7	2.7	3132.16	6.1	0.0	0.0	7	1.2
1979	2	0.7	1015.00	3.4	0.0	0.0	0.0	2	0.6
1981	1	0.3	2530.00	3.3	0.0	0.0	0.0	1	0.3
1984	2	1.5	2637.00	6.5	0.0	0.0	0.0	2	0.8
TOTAL	12	1.2	9314.16	4.7	0.0	0.0	12	0.8	9314.16
STONECAT	1983	1	0.9	28.63	0.1	0.0	0.0	1	0.3
TOTAL	1	0.9	28.63	0.1	0.0	0.0	1	0.3	28.63
BLACKSTRIPE TOPMINNOW	1983	0	0.0	0.00	0.0	5.14	6.1	3	0.8
1986	0	0.0	0.00	0.0	8	3.69	0.8	8	2.3
TOTAL	0	0.0	0.00	0.0	11	8.83	1.6	11	1.5
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	8.59	2.3	18	3.2
1984	0	0.0	0.00	0.0	4	0.31	1.0	4	1.5
1985	0	0.0	0.00	0.0	207	28.16	30.1	207	31.5
1986	0	0.0	0.00	0.0	4	0.65	0.1	4	1.1
TOTAL	0	0.0	0.00	0.0	233	37.71	3.9	233	12.7
ROCK BASS	1977	38	14.6	3831.00	7.4	0.68	0.2	39	6.9
1978	38	10.1	3334.00	19.5	0.0	0.00	0.0	38	9.8
1979	43	15.8	3269.00	10.9	2	240.00	64.7	45	13.0
1981	51	16.8	7666.00	10.0	0.0	0.00	0.0	51	15.6
1982	4	4.1	729.00	2.9	0.0	0.00	0.0	4	2.3
1983	3	2.7	380.00	1.2	0.0	0.00	0.0	3	0.8
1984	3	2.3	325.00	0.8	0.0	0.00	0.0	3	1.2
1985	21	7.7	2060.00	4.3	0.0	0.00	0.0	21	3.2
1986	38	13.7	5040.72	19.0	3	82.00	18.0	41	11.6
TOTAL	239	11.4	26634.72	7.7	6	322.68	17.8	245	7.1

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GREEN SUNFISH</b>									
1977	3	1.2	43.00	0.1	0.3	0.22	0.1	0.7	43.22
1978	31	8.3	483.91	2.8	0.0	0.00	0.0	31	483.91
1979	10	3.7	196.00	0.7	0.0	0.00	0.0	10	196.00
1981	13	4.3	233.00	0.3	0.0	0.00	0.0	13	233.00
1982	6	6.2	75.03	0.3	0.0	0.00	0.0	6	75.03
1983	2	1.8	67.00	0.2	0.0	0.00	0.0	2	67.00
1986	1	0.4	5.58	0.0	0.0	78.00	17.1	2	83.58
TOTAL	66	3.9	1103.52	0.4	2	78.22	4.6	68	1181.74
<b>ORANGESPOTTED SUNFISH</b>									
1977	2	0.8	15.97	0.0	1.3	0.88	0.2	6	16.85
1978	5	1.3	30.00	0.2	0.0	0.00	0.0	5	30.00
1979	5	1.8	43.93	0.1	0.0	0.00	0.0	5	43.93
1981	3	1.0	15.00	0.0	0.0	0.00	0.0	3	15.00
1982	1	1.0	10.00	0.0	0.0	0.00	0.0	1	10.00
1986	5	1.8	33.45	0.1	3	14.54	3.2	8	47.99
TOTAL	21	1.3	148.35	0.1	7	15.42	1.0	28	163.77
<b>BLUEGILL</b>									
1977	0	0.0	0.00	0.0	3	0.62	0.2	3	0.62
1978	6	1.6	67.00	0.4	0.0	0.00	0.0	6	67.00
1982	2	2.1	32.00	0.1	0.0	0.00	0.0	2	32.00
1983	1	0.9	11.44	0.0	0.0	0.00	0.0	1	11.44
1986	1	0.4	0.87	0.0	8	38.40	8.4	9	39.27
TOTAL	10	0.9	111.31	0.1	11	39.02	4.0	21	150.33
<b>CENTRAL LONGEAR SUNFISH</b>									
1977	2	0.8	24.02	0.0	0	0.00	0.0	2	24.02
TOTAL	2	0.8	24.02	0.0	0	0.00	0.0	2	24.02
<b>NORTHERN LONGEAR SUNFISH</b>									
1977	22	8.5	394.87	0.8	0	0.00	0.0	22	394.87
TOTAL	22	8.5	394.87	0.8	0	0.00	0.0	22	394.87
<b>LONGEAR SUNFISH</b>									
1978	77	20.5	1458.00	8.5	0	0.00	0.0	77	1458.00
1979	36	13.2	809.73	2.7	4	77.98	21.0	40	887.71
1981	23	7.6	533.00	0.7	2	7.98	2.4	25	540.98
1982	11	11.3	301.00	1.2	0	0.00	0.0	11	301.00
1983	3	2.7	57.82	0.2	0	0.00	0.0	3	57.82
1984	3	2.3	39.00	0.1	0	0.00	0.0	3	39.00
1985	7	2.6	101.26	0.2	0	0.00	0.0	7	101.26
1986	16	5.8	244.40	0.9	9	104.11	22.9	25	348.51
TOTAL	176	9.6	3544.21	1.2	15	190.07	13.3	191	3734.28

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----			-----SEINING-----			-----TOTAL-----		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
ORANGESPOTTED XLONGEAR SUNFISH	1	0.3	9.00	0	0.0	0.00	1	0.3	9.00
TOTAL	1	0.3	9.00	0	0.0	0.00	1	0.3	9.00
UNIDENTIFIED SUNFISH	0	0.0	0.00	3	13.0	0.36	3	0.9	0.36
1983	0	0.0	0.00	1	0.4	0.15	1	0.3	0.15
TOTAL	0	0.0	0.00	4	1.3	0.51	4	0.6	0.51
SMALLMOUTH BASS	48	18.5	9306.00	1	0.3	3.28	49	8.6	9309.28
1978	61	16.3	4244.21	0	0.0	0.00	61	15.8	4244.21
1979	63	23.2	5428.89	0	0.0	0.00	63	18.2	5428.89
1981	14	4.6	2978.00	0	0.0	0.00	14	4.3	2978.00
1982	19	19.6	4427.00	0	0.0	0.00	19	11.0	4427.00
1983	25	22.5	3170.00	0	0.0	0.00	25	6.5	3170.00
1984	40	30.5	5558.00	0	0.0	0.00	40	15.4	5558.00
1985	112	41.3	17865.15	2	0.5	9.98	114	17.4	17875.13
1986	58	20.9	3780.82	0	0.0	0.00	58	16.4	3780.82
TOTAL	440	21.0	56758.07	3	0.2	13.26	443	12.8	56771.33
LARGEMOUTH BASS	7	2.7	137.00	1	0.3	28.85	8	1.4	165.85
1978	11	2.9	159.51	0	0.0	0.00	11	2.8	159.51
1979	1	0.4	3.59	1	1.4	3.00	2	0.6	6.59
1981	3	1.0	345.00	0	0.0	0.00	3	0.9	345.00
1982	2	2.1	6.92	0	0.0	0.00	2	1.2	6.92
1983	1	0.9	7.00	0	0.0	0.00	1	0.3	7.00
1985	1	0.4	7.32	0	0.0	0.00	1	0.2	7.32
TOTAL	26	1.5	666.34	2	0.2	31.85	28	1.0	698.19
WHITE CRAPPIE	1	0.4	2.51	0	0.0	0.00	1	0.2	2.51
1979	2	0.7	163.00	0	0.0	0.00	2	0.6	163.00
1981	10	3.3	998.00	3	13.0	305.00	13	4.0	1303.00
1982	1	1.0	162.00	0	0.0	0.00	1	0.6	162.00
1983	2	1.8	313.00	0	0.0	0.00	2	0.5	313.00
TOTAL	16	1.5	1638.51	3	0.4	305.00	19	1.1	1943.51
			0.8			24.9			0.9

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	6	2.0	190.04	49.9	6	1.1	190.04	0.4
	1978	0	0.0	0.00	0.0	1	9.1	0.49	9.8	1	0.3	0.49	0.0
	1979	2	0.7	201.00	0.7	1	1.4	1.28	0.3	3	0.9	202.28	0.7
	1981	2	0.7	621.00	0.8	0	0.0	0.00	0.0	2	0.6	621.00	0.8
	1982	0	0.0	0.00	0.0	1	1.3	1.09	1.8	1	0.6	1.09	0.0
	1986	2	0.7	442.00	1.7	0	0.0	0.00	0.0	2	0.6	442.00	1.6
TOTAL	6	0.4	1264.00	0.6	9	1.6	192.90	12.0	15	0.7	1456.90	0.6	
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.7	0.58	0.2	2	0.4	0.58	0.0
	1978	1	0.3	0.41	0.0	0	0.0	0.00	0.0	1	0.3	0.41	0.0
	1979	0	0.0	0.00	0.0	2	2.7	0.62	0.2	2	0.6	0.62	0.0
	TOTAL	1	0.1	0.41	0.0	4	1.0	1.20	0.2	5	0.4	1.61	0.0
YELLOW PERCH	1979	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94	0.0
	TOTAL	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94	0.0
SLENDERHEAD DARTER	1985	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98	0.0
	TOTAL	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98	0.0
WALLEYE	1981	1	0.3	1230.00	1.6	0	0.0	0.00	0.0	1	0.3	1230.00	1.6
	1983	1	0.9	160.00	0.5	0	0.0	0.00	0.0	1	0.3	160.00	0.5
	TOTAL	2	0.5	1390.00	1.3	0	0.0	0.00	0.0	2	0.3	1390.00	1.3
FRESHWATER DRUM	1986	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2
	TOTAL	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2

APPENDIX D-11. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
LONGNOSE GAR	1977	2	2.5	115.00	0.6	0.0	0.0	0.0	115.00
	1983	0	0.0	0.00	0.0	1	1.4	9.37	9.37
	TOTAL	2	1.3	115.00	0.3	1	0.1	9.37	124.37
GIZZARD SHAD	1977	1	1.2	9.83	0.1	2	0.2	0.23	10.06
	1981	1	0.9	25.00	0.1	0	0.0	0.00	25.00
	1982	1	3.7	6.00	0.1	0	0.0	0.00	6.00
	1985	1	0.5	21.00	0.1	0	0.0	0.00	21.00
	1986	1	1.0	93.00	1.5	0	0.0	0.00	93.00
TOTAL		5	0.9	154.83	0.2	2	0.1	0.23	155.06
GRASS PICKEREL	1981	0	0.0	0.00	0.0	1	0.9	2.66	2.66
	TOTAL	0	0.0	0.00	0.0	1	0.9	2.66	2.66
NORTHERN PIKE	1984	2	3.4	1021.00	6.0	0	0.0	0.00	1021.00
	TOTAL	2	3.4	1021.00	6.0	0	0.0	0.00	1021.00
CENTRAL STONEROLLER	1986	0	0.0	0.00	0.0	1	0.7	0.82	0.82
	TOTAL	0	0.0	0.00	0.0	1	0.7	0.82	0.82
CARP	1977	2	2.5	3939.00	20.6	0	0.0	0.00	3939.00
	1978	2	5.3	1580.00	31.4	0	0.0	0.00	1580.00
	1979	1	1.5	630.00	4.6	0	0.0	0.00	630.00
	1981	4	3.6	5250.00	15.1	0	0.0	0.00	5250.00
	1982	4	14.8	2665.00	27.0	0	0.0	0.00	2665.00
	1983	2	2.7	2900.00	20.1	0	0.0	0.00	2900.00
	1984	1	1.7	2637.00	15.4	0	0.0	0.00	2637.00
	1986	2	2.0	810.00	13.3	0	0.0	0.00	810.00
	TOTAL	18	3.2	20411.00	17.0	0	0.0	0.00	20411.00
	1979	0	0.0	0.00	0.0	1	0.3	0.34	0.34
SILVERJAW MINNOW	1985	0	0.0	0.00	0.0	1	0.2	1.95	1.95
	TOTAL	0	0.0	0.00	0.0	2	0.2	2.29	2.29



APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
HORNYHEAD CHUB	1979	0	0.0	0	0.0	0.00	4	1.3	2.97
	1984	0	0.0	0	0.0	0.00	1	2.6	0.24
	1985	0	0.0	6	1.1	5.03	6	0.8	5.03
	1986	0	0.0	1	0.7	0.19	1	0.4	0.19
	TOTAL	0	0.0	12	1.1	8.43	12	0.8	8.43
PALLID CHUB	1985	0	0.0	0	0.0	0.00	1	0.2	0.07
	TOTAL	0	0.0	1	0.2	0.07	1	0.1	0.07
GOLDEN SHINER	1985	1	0.5	8.74	0.1	0.00	1	0.1	8.74
	TOTAL	1	0.5	8.74	0.1	0.00	1	0.1	8.74
EMERALD SHINER	1985	0	0.0	0	0.0	0.00	3	0.5	0.34
	1986	0	0.0	0	0.0	0.00	1	0.7	0.05
	TOTAL	0	0.0	0	0.0	0.00	4	0.6	0.39
STRIPED SHINER	1978	0	0.0	0	0.0	0.00	6	15.0	2.14
	1979	0	0.0	0	0.0	0.00	2	0.7	0.56
	1982	0	0.0	0	0.0	0.00	1	10.0	0.08
	1983	0	0.0	0	0.0	0.00	26	37.1	7.16
	1984	0	0.0	0	0.0	0.00	4	10.5	0.56
	1985	3	1.4	9.66	0.1	44.84	88	15.6	54.50
	1986	8	8.0	20.57	0.3	0.42	2	1.4	20.99
RED SHINER	1983	3	4.1	5.98	0.0	0.00	0	0.0	5.98
	1985	2	0.9	10.54	0.1	1.41	1	0.2	11.95
	TOTAL	5	1.7	16.52	0.1	1.41	1	0.2	17.93
ROSYFACE SHINER	1977	1	1.2	1.05	0.0	2.17	5	0.4	3.22
	1979	0	0.0	0.00	0.0	4.42	11	3.0	4.42
	1981	0	0.0	0.00	0.0	2.26	2	0.9	2.26
	1984	0	0.0	0.00	0.0	0.10	1	1.0	0.10
	1985	1	0.5	2.05	0.0	5.53	24	3.1	7.58
	1986	3	3.0	5.39	0.1	0.16	7	2.9	5.55
TOTAL	1979	5	0.8	8.49	0.0	14.64	46	2.0	23.13

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SPOTFIN SHINER</b>									
1977	6	7.4	34.32	159	13.9	84.92	165	13.5	119.24
1978	6	15.8	26.32	10	25.0	27.48	16	20.5	53.80
1979	4	6.0	16.99	177	59.0	157.43	181	49.3	174.42
1981	4	3.6	26.68	26	24.5	22.63	30	13.8	49.31
1982	1	3.7	4.64	0	0.0	0.00	1	2.7	4.64
1983	29	39.7	127.68	7	10.0	12.36	36	25.2	140.04
1984	6	10.2	15.71	23	60.5	22.04	29	29.9	37.75
1985	20	9.1	76.88	99	17.5	147.95	119	15.2	224.83
1986	9	9.0	19.15	12	8.5	13.07	21	8.7	32.22
TOTAL	85	11.0	348.37	513	21.2	487.88	598	18.7	836.25
<b>SAND SHINER</b>									
1977	0	0.0	0.00	73	6.4	15.56	73	6.0	15.56
1978	0	0.0	0.00	3	7.5	0.71	3	3.8	0.71
1979	0	0.0	0.00	56	18.7	33.60	56	15.3	33.60
1983	0	0.0	0.00	7	10.0	3.35	7	4.9	3.35
1984	0	0.0	0.00	6	15.8	3.49	6	6.2	3.49
1985	1	0.5	1.82	67	11.9	65.87	68	8.7	67.69
1986	2	2.0	2.35	33	23.2	13.91	35	14.5	16.26
TOTAL	3	0.5	4.17	245	10.7	136.49	248	8.4	140.66
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	2	0.2	0.44	2	0.2	0.44
TOTAL	0	0.0	0.00	2	0.2	0.44	2	0.2	0.44
<b>MIMIC SHINER</b>									
1981	0	0.0	0.00	6	5.7	2.85	6	2.8	2.85
1982	0	0.0	0.00	1	10.0	1.01	1	2.7	1.01
1985	0	0.0	0.00	1	0.2	0.89	1	0.1	0.89
1986	0	0.0	0.00	2	1.4	1.83	2	0.8	1.83
TOTAL	0	0.0	0.00	10	1.2	6.58	10	0.8	6.58
<b>SUCKERMOUTH MINNOW</b>									
1978	0	0.0	0.00	3	7.5	0.83	3	3.8	0.83
1979	0	0.0	0.00	5	1.7	2.31	5	1.4	2.31
1981	0	0.0	0.00	1	0.9	0.44	1	0.5	0.44
1983	0	0.0	0.00	3	4.3	1.84	3	2.1	1.84
1985	0	0.0	0.00	3	0.5	5.70	3	0.4	5.70
1986	0	0.0	0.00	1	0.7	0.51	1	0.4	0.51
TOTAL	0	0.0	0.00	16	1.3	11.63	16	0.9	11.63

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLUNTNOSE MINNOW</b>									
1977	2	2.5	3.68	0.0	0.0	59.99	97	8.5	6.5
1978	0	0.0	0.00	0.0	0.0	1.15	4	5.1	63.67
1979	0	0.0	0.00	0.0	0.0	11.28	4	5.1	1.15
1981	0	0.0	0.00	0.0	0.0	9.08	10	2.7	11.28
1982	0	0.0	0.00	0.0	0.0	4.52	12	5.5	9.08
1983	1	1.4	1.17	0.0	0.0	13.52	3	8.1	4.52
1984	0	0.0	0.00	0.0	0.0	2.14	22	15.4	15.09
1985	9	4.1	21.83	0.1	5.3	30.66	2	2.1	2.14
1986	15	15.0	29.99	0.5	8.0	85.32	54	6.9	52.49
TOTAL	27	3.5	56.67	0.0	11.1	218.06	90	37.2	115.31
							296	9.3	274.73
<b>FATHEAD MINNOW</b>									
1981	1	0.9	8.00	0.0	0.0	0.00	1	0.5	8.00
TOTAL	1	0.9	8.00	0.0	0.0	0.00	1	0.5	8.00
<b>BULLHEAD MINNOW</b>									
1977	5	6.2	15.43	0.1	188	16.4	193	15.7	173.39
1978	1	2.6	2.19	0.0	4	10.0	5	6.4	6.79
1979	2	3.0	3.77	0.0	17	5.7	19	5.2	36.91
1981	0	0.0	0.00	0.0	19	17.9	19	8.7	17.58
1982	0	0.0	0.00	0.0	1	10.0	1	2.7	3.49
1983	1	1.4	1.53	0.0	0	0.0	1	0.7	1.53
1984	0	0.0	0.00	0.0	1	2.6	1	1.0	0.70
1985	18	8.2	53.32	0.3	106	18.8	124	15.8	290.12
1986	3	3.0	3.59	0.1	2	1.4	5	2.1	7.26
TOTAL	30	3.9	79.83	0.1	338	14.0	368	11.5	537.77
<b>CREEK CHUB</b>									
1978	0	0.0	0.00	0.0	4	10.0	4	5.1	2.44
1979	0	0.0	0.00	0.0	6	2.0	6	1.6	5.64
1985	0	0.0	0.00	0.0	7	1.2	7	0.9	11.58
TOTAL	0	0.0	0.00	0.0	17	1.9	17	1.4	19.66
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	0.0	530	46.3	530	43.2	35.13
1982	0	0.0	0.00	0.0	1	10.0	1	2.7	0.04
TOTAL	0	0.0	0.00	0.0	531	46.0	531	42.0	35.17

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>QUILLBACK</b>									
1977	7	8.6	1788.27	9.4	0.0	0.00	7	0.6	1788.27
1978	2	5.3	114.00	2.3	0.0	0.00	2	2.6	114.00
1979	8	11.9	2282.00	16.8	0.0	0.00	8	2.2	2282.00
1981	4	3.6	1775.00	5.1	0.0	0.00	4	1.8	1775.00
1982	1	3.7	620.00	6.3	0.0	0.00	1	2.7	620.00
1983	7	9.6	5290.00	36.7	0.0	0.00	7	4.9	5290.00
1984	11	18.6	6445.00	37.7	0.0	0.00	11	11.3	6445.00
1985	3	1.4	2090.00	13.4	0.0	0.00	3	0.4	2090.00
TOTAL	43	6.4	20404.27	15.8	0.0	0.00	43	1.5	20404.27
<b>NORTHERN HOGSUCKER</b>									
1981	1	0.9	460.00	1.3	0.0	0.00	1	0.5	460.00
1982	1	3.7	490.00	5.0	0.0	0.00	1	2.7	490.00
1983	2	2.7	540.00	3.7	0.0	0.00	2	1.4	540.00
1985	2	0.9	98.01	0.6	0.0	0.00	2	0.3	98.01
1986	3	3.0	544.00	8.9	0.0	0.00	3	1.2	544.00
TOTAL	9	1.7	2132.01	2.6	0.0	0.00	9	0.6	2132.01
<b>SILVER REDHORSE</b>									
1977	3	3.7	2694.91	14.1	0.0	0.00	3	0.2	2694.91
1978	3	7.9	1171.04	23.2	1	2.5	4	5.1	1171.59
1979	1	1.5	2.00	0.0	0.0	0.00	1	0.3	2.00
1981	4	3.6	2645.00	7.6	0.0	0.00	4	1.8	2645.00
1982	0	0.0	0.00	0.0	1	10.0	1	2.7	1.63
1984	3	5.1	1393.00	8.1	0.0	0.00	3	3.1	1393.00
1986	1	1.0	60.00	1.0	0.0	0.00	1	0.4	60.00
TOTAL	15	3.1	7965.95	7.6	2	0.1	17	0.8	7968.13
<b>RIVER REDHORSE</b>									
1977	1	1.2	67.00	0.4	0.0	0.00	1	0.1	67.00
1979	2	3.0	1005.00	7.4	0.0	0.00	2	0.5	1005.00
1981	2	1.8	385.00	1.1	0.0	0.00	2	0.9	385.00
1982	2	7.4	1150.00	11.7	0.0	0.00	2	5.4	1150.00
1985	11	5.0	500.03	3.2	0.0	0.00	11	1.4	500.03
1986	4	4.0	455.00	7.5	0.0	0.00	4	1.7	455.00
TOTAL	22	3.6	3562.03	3.6	0	0.0	22	0.8	3562.03

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
<b>GOLDEN REDHORSE</b>									
1977	5	6.2	2046.00	10.7	0.0	0	0.0	0.00	0.0
1979	6	9.0	2512.00	18.5	0.0	0	0.0	0.00	0.0
1981	30	26.8	9435.00	27.2	2	1.9	105.95	18.8	0.0
1982	5	18.5	1345.00	13.6	0	0.0	0.00	0.0	0.0
1983	2	2.7	1035.00	7.2	0	0.0	0.00	0.0	0.0
1984	12	20.3	3325.00	19.5	0	0.0	0.00	0.0	0.0
1985	43	19.6	5911.58	37.9	70	12.4	94.41	13.3	0.0
1986	6	6.0	1075.51	17.7	0	0.0	0.00	0.0	0.0
TOTAL	109	14.8	26685.09	20.5	72	3.0	200.36	7.0	0.0
<b>SHORTHEAD REDHORSE</b>									
1977	10	12.3	4257.46	22.3	0	0.0	0.00	0.0	0.0
1978	2	5.3	69.00	1.4	0	0.0	0.00	0.0	0.0
1979	3	4.5	1840.00	13.6	0	0.0	0.00	0.0	0.0
1981	24	21.4	8957.00	25.8	0	0.0	0.00	0.0	0.0
1982	5	18.5	2520.00	25.6	0	0.0	0.00	0.0	0.0
1983	7	9.6	2988.00	20.7	0	0.0	0.00	0.0	0.0
1984	1	1.7	480.00	2.8	0	0.0	0.00	0.0	0.0
1985	6	2.7	152.13	1.0	1	0.2	0.85	0.1	0.0
1986	1	1.0	505.00	8.3	0	0.0	0.00	0.0	0.0
TOTAL	59	7.6	21768.59	16.1	1	0.0	0.85	0.0	0.0
<b>UNIDENTIFIED REDHORSE</b>									
1977	1	1.2	4.75	0.0	1	0.1	2.17	0.2	0.0
1979	0	0.0	0.00	0.0	1	0.3	0.61	0.2	0.0
1981	0	0.0	0.00	0.0	4	3.8	1.03	0.2	0.0
TOTAL	1	0.4	4.75	0.0	6	0.4	3.81	0.2	0.0
<b>CHANNEL CATFISH</b>									
1977	1	1.2	640.00	3.3	0	0.0	0.00	0.0	0.0
1979	1	1.5	1890.00	13.9	0	0.0	0.00	0.0	0.0
1981	1	0.9	3000.00	8.7	0	0.0	0.00	0.0	0.0
TOTAL	3	1.2	5530.00	8.2	0	0.0	0.00	0.0	0.0
<b>STONECAT</b>									
1979	1	1.5	13.73	0.1	0	0.0	0.00	0.0	0.0
1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	0.0
TOTAL	2	0.7	28.73	0.1	0	0.0	0.00	0.0	0.0

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLACKSTRIPE TOPMINNOW</b>									
1986	0	0.0	0.00	0.0	0.0	0.00	1	0.7	0.10
TOTAL	0	0.0	0.00	0.0	0.0	0.00	1	0.4	0.10
<b>BROOK SILVERSIDE</b>									
1977	0	0.0	0.00	0.0	0.0	0.00	7	0.6	1.46
1978	0	0.0	0.00	0.0	0.0	0.00	1	1.3	0.09
1985	0	0.0	0.00	0.0	0.0	0.00	11	1.4	1.91
TOTAL	0	0.0	0.00	0.0	0.0	0.00	19	0.9	3.46
<b>ROCK BASS</b>									
1977	12	14.8	1222.00	6.4	3.0	347.36	46	3.8	1569.36
1978	7	18.4	1178.00	23.4	0.0	0.00	7	9.0	1178.00
1979	9	13.4	1041.00	7.7	0.0	0.00	9	2.5	1041.00
1981	11	9.8	1291.00	3.7	1.0	230.00	12	5.5	1521.00
1982	1	3.7	18.00	0.2	0.0	0.00	1	2.7	18.00
1983	3	4.1	310.00	2.2	0.0	0.00	3	2.1	310.00
1984	3	5.1	293.00	1.7	0.0	0.00	3	3.1	293.00
1985	28	12.8	1876.00	12.0	0.0	0.00	28	3.6	1876.00
1986	7	7.0	507.45	8.3	1.0	23.00	8	3.3	530.45
TOTAL	81	10.4	7736.45	5.7	1.5	600.36	117	3.7	8336.81
<b>GREEN SUNFISH</b>									
1977	1	1.2	22.00	0.1	0.3	54.66	4	0.3	76.66
1978	1	2.6	6.00	0.1	0.0	0.00	1	1.3	6.00
1979	5	7.5	184.00	1.4	0.0	0.00	5	1.4	184.00
1981	4	3.6	34.00	0.1	0.0	0.00	4	1.8	34.00
1982	2	7.4	16.00	0.2	0.0	0.00	2	5.4	16.00
1983	5	6.8	93.00	0.6	1.4	0.02	6	4.2	93.02
1984	5	8.5	145.00	0.8	0.0	0.00	5	5.2	145.00
1985	3	1.4	155.00	1.0	0.0	0.00	3	0.4	155.00
1986	4	4.0	139.00	2.3	3.2	0.18	7	2.9	139.18
TOTAL	30	3.9	794.00	0.6	0.3	54.86	37	1.2	848.86
<b>ORANGESPOTTED SUNFISH</b>									
1977	0	0.0	0.00	0.0	0.3	0.66	4	0.3	0.66
1981	1	0.9	1.00	0.0	20	54.61	21	9.6	55.61
1986	3	3.0	24.31	0.4	0.0	0.00	3	1.2	24.31
TOTAL	4	1.4	25.31	0.0	24	55.27	28	1.7	80.58

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLUEGILL</b>									
1977	0	0.0	0.00	4	0.3	1.60	4	0.3	1.60
1979	1	1.5	22.00	0	0.0	0.00	1	0.3	22.00
1983	1	1.4	29.00	0	0.0	0.00	1	0.7	29.00
1984	1	1.7	49.00	0	0.0	0.00	1	1.0	49.00
1985	1	0.5	11.00	1	0.2	0.15	2	0.3	11.15
TOTAL	4	0.8	111.00	5	0.2	1.75	9	0.3	112.75
<b>NORTHERN LONGEAR SUNFISH</b>									
1977	4	4.9	77.80	4	0.3	61.47	8	0.7	139.27
TOTAL	4	4.9	77.80	4	0.3	61.47	8	0.7	139.27
<b>LONGEAR SUNFISH</b>									
1977	0	0.0	0.00	5	0.4	9.30	5	0.4	9.30
1978	8	21.1	185.00	1	2.5	15.92	9	11.5	200.92
1979	9	13.4	157.00	0	0.0	0.00	9	2.5	157.00
1981	5	4.5	128.00	3	2.8	14.14	8	3.7	142.14
1982	1	3.7	45.00	0	0.0	0.00	1	2.7	45.00
1983	5	6.8	150.68	0	0.0	0.00	5	3.5	150.68
1984	6	10.2	86.00	0	0.0	0.00	6	6.2	86.00
1985	17	7.8	267.90	0	0.0	0.00	17	2.2	267.90
1986	17	17.0	295.01	2	1.4	66.00	19	7.9	361.01
TOTAL	68	8.8	1314.59	11	0.5	105.36	79	2.5	1419.95
<b>UNIDENTIFIED SUNFISH</b>									
1977	0	0.0	0.00	2	0.2	0.08	2	0.2	0.08
1981	1	0.9	0.91	0	0.0	0.00	1	0.5	0.91
TOTAL	1	0.5	0.91	2	0.2	0.08	3	0.2	0.99
<b>SMALLMOUTH BASS</b>									
1977	9	11.1	1907.00	5	0.4	36.73	14	1.1	1943.73
1978	5	13.2	703.00	0	0.0	0.00	5	6.4	703.00
1979	8	11.9	1273.26	0	0.0	0.00	8	2.2	1273.26
1981	6	5.4	649.00	4	3.8	0.92	10	4.6	649.92
1982	2	7.4	885.00	1	10.0	2.19	3	8.1	887.19
1983	4	5.5	860.00	0	0.0	0.00	4	2.8	860.00
1984	6	10.2	564.00	0	0.0	0.00	6	6.2	564.00
1985	40	18.3	4135.02	13	2.3	38.63	53	6.8	4173.65
1986	11	11.0	1501.00	0	0.0	0.00	11	4.5	1501.00
TOTAL	91	11.7	12477.28	23	1.0	78.47	114	3.6	12555.75

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT (G)	NO.	%NO.	WT (G)	NO.	%NO.	WT (G)
<b>LARGEMOUTH BASS</b>									
1977	3	3.7	43.34	0.2	1	0.1	18.30	2.0	61.64
1978	1	2.6	5.00	0.1	2	5.0	6.37	10.2	11.37
1981	0	0.0	0.00	0.0	1	0.9	0.84	0.1	0.84
1982	0	0.0	0.00	0.0	1	10.0	3.04	19.0	3.04
1983	0	0.0	0.00	0.0	1	1.4	4.07	7.5	4.07
1985	5	2.3	49.91	0.3	0	0.0	0.00	0.0	49.91
TOTAL	9	1.6	98.25	0.1	6	0.3	32.62	1.4	130.87
<b>WHITE CRAPPIE</b>									
1979	4	6.0	211.00	1.6	4	1.3	45.01	13.1	256.01
1981	5	4.5	350.00	1.0	3	2.8	89.00	15.8	439.00
1982	1	3.7	90.00	0.9	0	0.0	0.00	0.0	90.00
1983	1	1.4	77.00	0.5	0	0.0	0.00	0.0	77.00
1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	49.00
TOTAL	12	3.6	777.00	0.9	7	1.3	134.01	13.3	911.01
<b>BLACK CRAPPIE</b>									
1977	1	1.2	54.00	0.3	7	0.6	27.79	3.0	81.79
1979	1	1.5	107.00	0.8	1	0.3	45.00	13.1	152.00
1981	3	2.7	238.00	0.7	1	0.9	8.59	1.5	246.59
TOTAL	5	1.9	399.00	0.6	9	0.6	81.38	4.4	480.38
<b>JOHNNY DARTER</b>									
1977	0	0.0	0.00	0.0	11	1.0	5.98	0.6	5.98
1978	0	0.0	0.00	0.0	1	2.5	0.17	0.3	0.17
1979	0	0.0	0.00	0.0	5	1.7	2.05	0.6	2.05
1983	0	0.0	0.00	0.0	2	2.9	1.47	2.7	1.47
1985	0	0.0	0.00	0.0	4	0.7	2.61	0.4	2.61
1986	0	0.0	0.00	0.0	1	0.7	0.20	0.1	0.20
TOTAL	0	0.0	0.00	0.0	24	1.1	12.48	0.5	12.48
<b>BANDED DARTER</b>									
1977	0	0.0	0.00	0.0	1	0.1	0.20	0.0	0.20
TOTAL	0	0.0	0.00	0.0	1	0.1	0.20	0.0	0.20
<b>BLACKSIDE DARTER</b>									
1983	0	0.0	0.00	0.0	1	1.4	0.80	1.5	0.80
1985	0	0.0	0.00	0.0	3	0.5	3.81	0.5	3.81
TOTAL	0	0.0	0.00	0.0	4	0.6	4.61	0.6	4.61



APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD  
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
SLENDERHEAD DARTER	1985	0	0.0	0.0	11	1.9	11.30	1.6	11	1.4	11.30	0.1
	TOTAL	0	0.0	0.0	11	1.9	11.30	1.6	11	1.4	11.30	0.1
WALLEYE	1977	4	4.9	171.00	0.9	0.0	0.00	0.0	4	0.3	171.00	0.9
	1979	1	1.5	365.00	2.7	0.0	0.00	0.0	1	0.3	365.00	2.6
	1984	1	1.7	590.00	3.5	0.0	0.00	0.0	1	1.0	590.00	3.4
	1985	3	1.4	115.00	0.7	0.0	0.00	0.0	3	0.4	115.00	0.7
	TOTAL	9	2.1	1241.00	1.9	0.0	0.00	0.0	9	0.4	1241.00	1.8

APPENDIX D-12. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	WT	NO.	%NO.	WT(G)	WT	%WT
LONGNOSE GAR	1977	7	0.3	521.00	0.2	0	0.0	0.00	0.0
	1978	4	0.2	249.00	0.2	3	0.2	25.48	1.5
	1979	6	0.4	2059.53	1.2	1	0.0	11.67	0.3
	1981	6	0.3	717.67	0.2	0	0.0	0.00	0.0
	1982	1	0.1	2.00	0.0	1	0.3	4.82	0.6
	1983	2	0.2	164.00	0.1	1	0.1	9.37	1.1
	1984	0	0.0	0.00	0.0	1	0.1	1.42	0.2
	1985	14	0.5	397.00	0.2	8	0.1	198.00	3.1
TOTAL	1986	1	0.0	2.00	0.0	2	0.2	1.63	0.0
		41	0.2	4112.20	0.2	17	0.1	252.39	0.9
BOWFIN	1978	2	0.1	116.00	0.1	0	0.0	0.00	0.0
	1981	3	0.1	320.00	0.1	0	0.0	0.00	0.0
	1982	2	0.3	1510.00	0.7	0	0.0	0.00	0.0
	TOTAL	7	0.1	1946.00	0.3	0	0.0	0.00	0.0
GIZZARD SHAD	1977	438	18.1	5928.28	2.1	120	1.3	205.07	3.0
	1978	592	25.4	4759.11	3.7	5	0.4	54.97	3.2
	1979	17	1.2	2316.41	1.3	2	0.1	0.94	0.0
	1981	164	8.0	10396.09	2.7	15	1.2	49.23	1.3
	1982	65	9.2	5600.31	2.5	1	0.3	4.97	0.7
	1983	42	4.1	7269.20	3.5	0	0.0	0.00	0.0
	1984	42	2.9	6262.59	2.9	1	0.1	1.13	0.1
	1985	54	2.1	5678.42	2.7	0	0.0	0.00	0.0
	1986	129	5.0	14697.04	7.2	5	0.5	8.76	0.2
	TOTAL	1543	9.3	62907.45	3.1	149	0.6	325.07	1.1
CENTRAL MUDMINNOW	1982	1	0.1	4.44	0.0	0	0.0	0.00	0.0
	TOTAL	1	0.1	4.44	0.0	0	0.0	0.00	0.0
GRASS PICKEREL	1977	12	0.5	240.00	0.1	6	0.1	119.32	1.7
	1978	34	1.5	750.35	0.6	5	0.4	25.20	1.5
	1979	10	0.7	326.00	0.2	0	0.0	0.00	0.0
	1981	32	1.6	528.00	0.1	10	0.8	78.64	2.2
	1982	0	0.0	0.00	0.0	1	0.3	2.00	0.3
	1983	3	0.3	141.00	0.1	2	0.2	10.82	1.3
	1984	10	0.7	281.91	0.1	2	0.1	25.03	2.7
	1985	6	0.2	494.00	0.2	0	0.0	0.00	0.0
	1986	16	0.6	167.50	0.1	11	1.1	132.92	3.4
TOTAL		123	0.7	2928.76	0.1	37	0.1	393.93	1.4
GRASS PICKEREL	1977	18	0.2	359.32	0.1	18	0.2	359.32	0.1
	1978	39	1.0	775.55	0.6	39	1.0	775.55	0.6
	1979	10	0.2	326.00	0.2	10	0.2	326.00	0.2
	1981	42	1.3	606.64	0.2	42	1.3	606.64	0.2
	1982	1	0.1	2.00	0.0	1	0.1	2.00	0.0
	1983	5	0.2	151.82	0.1	5	0.2	151.82	0.1
	1984	12	0.4	306.94	0.1	12	0.4	306.94	0.1
	1985	6	0.1	494.00	0.2	6	0.1	494.00	0.2
	1986	27	0.8	300.42	0.1	27	0.8	300.42	0.1
	TOTAL	160	0.4	3322.69	0.2	160	0.4	3322.69	0.2

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT (G)	NO.	%NO.	WT (G)	NO.	%NO.	WT (G)
NORTHERN PIKE									
1977	6	0.2	1704.00	0	0.0	0.00	6	0.1	1704.00
1978	5	0.2	678.00	1	0.1	25.00	6	0.2	703.00
1979	11	0.8	2863.00	1	0.0	30.00	12	0.3	2893.00
1981	13	0.6	6136.00	3	0.2	265.00	16	0.5	6401.00
1982	9	1.3	6652.00	1	0.3	335.00	10	0.9	6987.00
1983	5	0.5	2176.00	0	0.0	0.00	5	0.2	2176.00
1984	12	0.8	2389.00	0	0.0	0.00	12	0.4	2389.00
1985	5	0.2	1468.00	0	0.0	0.00	5	0.1	1468.00
1986	8	0.3	2616.00	0	0.0	0.00	8	0.2	2616.00
TOTAL	74	0.4	26682.00	6	0.0	655.00	80	0.2	27337.00
CENTRAL STONEROLLER									
1977	1	0.0	2.79	0	0.0	0.00	1	0.0	2.79
1979	0	0.0	0.00	2	0.1	1.20	2	0.0	1.20
1982	0	0.0	0.00	1	0.3	0.96	1	0.1	0.96
1983	0	0.0	0.00	1	0.1	0.51	1	0.0	0.51
1985	4	0.2	6.35	4	0.1	6.34	8	0.1	12.69
1986	1	0.0	1.02	1	0.1	0.82	2	0.1	1.84
TOTAL	6	0.1	10.16	9	0.0	9.83	15	0.0	19.99
GOLDFISH									
1981	1	0.0	165.00	0	0.0	0.00	1	0.0	165.00
TOTAL	1	0.0	165.00	0	0.0	0.00	1	0.0	165.00
CARP									
1977	92	3.8	71317.47	4	0.0	60.43	96	0.8	71377.90
1978	40	1.7	29569.00	2	0.1	185.80	42	1.1	29754.80
1979	25	1.8	24420.00	0	0.0	0.00	25	0.6	24420.00
1981	89	4.3	63990.82	3	0.2	367.35	92	2.8	64358.17
1982	49	7.0	59589.00	0	0.0	0.00	49	4.6	59589.00
1983	29	2.8	22068.60	0	0.0	0.00	29	1.3	22068.60
1984	17	1.2	10082.00	0	0.0	0.00	17	0.6	10082.00
1985	10	0.4	20438.00	0	0.0	0.00	10	0.1	20438.00
1986	9	0.3	13610.00	1	0.1	0.71	10	0.3	13610.71
TOTAL	360	2.2	315085	10	0.0	614.29	370	0.9	315699.18
								24.2	
								22.6	
								13.9	
								16.5	
								26.9	
								10.7	
								4.7	
								9.3	
								6.6	
								15.3	

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SILVERJAW MINNOW</b>									
1977	0	0.0	0.00	1	0.0	0.38	1	0.0	0.38
1978	4	0.2	3.21	21	1.5	9.84	25	0.7	13.05
1979	0	0.0	0.00	41	1.3	22.26	41	0.9	22.26
1982	1	0.1	1.44	0	0.0	0.00	1	0.1	1.44
1983	0	0.0	0.00	1	0.1	0.43	1	0.0	0.43
1984	1	0.1	1.63	0	0.0	0.00	1	0.0	1.63
1985	0	0.0	0.00	8	0.1	3.83	8	0.1	3.83
1986	1	0.0	0.57	0	0.0	0.00	1	0.0	0.57
TOTAL	7	0.0	6.85	72	0.3	36.74	79	0.2	43.59
<b>HORNHEAD CHUB</b>									
1977	1	0.0	15.28	18	0.2	8.92	19	0.2	24.20
1978	0	0.0	0.00	4	0.3	1.23	4	0.1	1.23
1979	1	0.1	5.17	19	0.6	10.50	20	0.5	15.67
1983	0	0.0	0.00	2	0.2	0.44	2	0.1	0.44
1984	0	0.0	0.00	8	0.5	1.79	8	0.3	1.79
1985	13	0.5	104.77	69	0.9	57.10	82	0.8	161.87
1986	1	0.0	6.61	2	0.2	7.91	3	0.1	14.52
TOTAL	16	0.1	131.83	122	0.5	87.89	138	0.4	219.72
<b>PALLID CHUB</b>									
1978	0	0.0	0.00	1	0.1	0.42	1	0.0	0.42
1979	0	0.0	0.00	9	0.3	3.81	9	0.2	3.81
1981	0	0.0	0.00	3	0.2	0.79	3	0.1	0.79
1982	0	0.0	0.00	2	0.5	0.62	2	0.2	0.62
1983	0	0.0	0.00	1	0.1	0.46	1	0.0	0.46
1984	0	0.0	0.00	49	3.4	9.28	49	1.7	9.28
1985	1	0.0	0.63	15	0.2	6.63	16	0.2	7.26
1986	0	0.0	0.00	4	0.4	0.94	4	0.1	0.94
TOTAL	1	0.0	0.63	84	0.5	22.95	85	0.3	23.58
<b>GOLDEN SHINER</b>									
1977	2	0.1	45.00	2	0.0	0.87	4	0.0	45.87
1978	5	0.2	47.73	1	0.1	1.46	6	0.2	49.19
1979	6	0.4	75.02	8	0.3	5.77	14	0.3	80.79
1981	6	0.3	81.50	1	0.1	0.27	7	0.2	81.77
1982	2	0.3	16.11	4	1.1	4.09	6	0.6	20.20
1983	1	0.1	7.48	0	0.0	0.00	1	0.0	7.48
1984	3	0.2	28.00	1	0.1	0.52	4	0.1	28.52
1985	4	0.2	51.39	1	0.0	5.65	5	0.1	57.04
1986	1	0.0	2.48	0	0.0	0.00	1	0.0	2.48
TOTAL	30	0.2	354.71	18	0.1	18.63	48	0.1	373.34

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>EMERALD SHINER</b>									
1977	10	0.4	43.91	5	0.1	2.61	15	0.1	46.52
1979	1	0.1	14.00	0	0.0	0.00	1	0.0	14.00
1983	3	0.3	16.74	0	0.0	0.00	3	0.1	16.74
1984	3	0.2	8.69	0	0.0	0.00	3	0.1	8.69
1985	0	0.0	0.00	29	0.4	2.89	29	0.3	2.89
1986	1	0.0	7.42	2	0.2	0.37	3	0.1	7.79
TOTAL	18	0.2	90.76	36	0.2	5.87	54	0.2	96.63
<b>GHOST SHINER</b>									
1981	0	0.0	0.00	1	0.1	0.46	1	0.0	0.46
TOTAL	0	0.0	0.00	1	0.1	0.46	1	0.0	0.46
<b>STRIPED SHINER</b>									
1977	0	0.0	0.00	119	1.3	63.72	119	1.0	63.72
1978	4	0.2	21.96	164	11.8	59.66	168	4.5	81.62
1979	0	0.0	0.00	99	3.3	21.49	99	2.2	21.49
1981	0	0.0	0.00	1	0.1	0.27	1	0.0	0.27
1982	1	0.1	7.07	82	22.2	58.86	83	7.7	65.93
1983	1	0.1	0.47	393	33.7	122.02	394	18.0	122.49
1984	2	0.1	7.94	276	19.0	71.34	278	9.5	79.28
1985	39	1.5	119.85	840	11.5	385.61	879	8.9	505.46
1986	18	0.7	70.53	48	5.0	21.27	66	1.9	91.80
TOTAL	65	0.4	227.82	2022	7.7	804.24	2087	4.9	1032.06
<b>BIGMOUTH SHINER</b>									
1977	0	0.0	0.00	2	0.0	1.01	2	0.0	1.01
TOTAL	0	0.0	0.00	2	0.0	1.01	2	0.0	1.01
<b>RED SHINER</b>									
1977	0	0.0	0.00	1	0.0	2.16	1	0.0	2.16
1979	0	0.0	0.00	2	0.1	1.48	2	0.0	1.48
1981	2	0.1	6.50	1	0.1	2.21	3	0.1	8.71
1983	3	0.3	5.98	0	0.0	0.00	3	0.1	5.98
1984	0	0.0	0.00	1	0.1	0.45	1	0.0	0.45
1985	3	0.1	15.82	8	0.1	10.13	11	0.1	25.95
1986	0	0.0	0.00	1	0.1	0.88	1	0.0	0.88
TOTAL	8	0.1	28.30	14	0.1	17.31	22	0.1	45.61

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	WT(G)
<b>ROSYFACE SHINER</b>									
1977	20	0.8	26.22	0.0	609	6.6	244.62	3.5	270.84
1978	7	0.3	8.58	0.0	96	6.9	44.16	2.6	52.74
1979	1	0.1	2.05	0.0	139	4.6	50.09	1.4	52.14
1981	4	0.2	12.99	0.0	5	0.4	5.96	0.2	18.95
1982	3	0.4	3.38	0.0	67	18.2	27.32	3.7	30.70
1983	11	1.1	5.59	0.0	4	0.3	0.47	0.1	6.06
1984	0	0.0	0.00	0.0	157	10.8	24.86	2.7	24.86
1985	11	0.4	6.13	0.0	317	4.4	79.48	1.2	85.61
1986	19	0.7	27.64	0.0	8	0.8	1.14	0.0	28.78
TOTAL	76	0.5	92.58	0.0	1402	5.4	478.10	1.7	570.68
<b>SPOTFIN SHINER</b>									
1977	130	5.4	552.18	0.2	1929	20.9	1430.48	20.6	1982.66
1978	50	2.1	184.55	0.1	87	6.3	154.85	9.1	339.40
1979	32	2.3	130.37	0.1	1010	33.2	824.88	23.9	955.25
1981	51	2.5	164.91	0.0	283	23.2	261.00	7.2	425.91
1982	21	3.0	89.41	0.0	20	5.4	57.94	7.8	147.35
1983	85	8.3	279.17	0.1	170	14.6	183.91	21.8	463.08
1984	56	3.8	134.70	0.1	361	24.8	345.98	37.3	480.68
1985	147	5.6	540.48	0.3	1195	16.4	701.92	11.0	1242.40
1986	79	3.0	145.99	0.1	87	9.0	88.03	2.3	234.02
TOTAL	651	3.9	2221.76	0.1	5142	19.7	4048.99	14.2	6270.75
<b>SAND SHINER</b>									
1977	5	0.2	5.09	0.0	615	6.7	234.11	3.4	239.20
1978	3	0.1	3.72	0.0	270	19.5	87.61	5.2	91.33
1979	0	0.0	0.00	0.0	491	16.1	282.14	8.2	282.14
1981	3	0.1	2.15	0.0	165	13.5	99.25	2.7	101.40
1982	2	0.3	6.29	0.0	19	5.1	7.02	0.9	13.31
1983	28	2.7	36.07	0.0	136	11.7	81.46	9.7	117.53
1984	6	0.4	5.68	0.0	89	6.1	37.90	4.1	43.58
1985	26	1.0	36.84	0.0	792	10.9	300.41	4.7	337.25
1986	57	2.2	57.84	0.0	56	5.8	26.34	0.7	84.18
TOTAL	130	0.8	153.68	0.0	2633	10.1	1156.24	4.1	1309.92

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>REDFIN SHINER</b>									
1977	0	0.0	0.00	222	2.4	42.26	222	1.9	42.26
1978	1	0.0	1.86	9	0.6	8.58	10	0.3	10.44
1979	0	0.0	0.00	7	0.2	5.99	7	0.2	5.99
1981	0	0.0	0.00	51	4.2	31.12	51	1.6	31.12
1982	1	0.1	1.93	7	1.9	6.29	8	0.7	8.22
1984	1	0.1	1.11	5	0.3	4.34	6	0.2	5.45
1985	1	0.0	0.86	17	0.2	17.65	18	0.2	18.51
1986	6	0.2	5.62	23	2.4	17.33	29	0.8	22.95
TOTAL	10	0.1	11.38	341	1.4	133.56	351	0.9	144.94
<b>MIMIC SHINER</b>									
1977	0	0.0	0.00	29	0.3	12.22	29	0.2	12.22
1981	0	0.0	0.00	32	2.6	14.32	32	1.0	14.32
1982	0	0.0	0.00	4	1.1	4.35	4	0.4	4.35
1984	3	0.2	3.24	0	0.0	0.00	3	0.1	3.24
1985	1	0.0	0.80	8	0.1	8.77	9	0.1	9.57
1986	6	0.2	5.69	10	1.0	7.11	16	0.4	12.80
TOTAL	10	0.1	9.73	83	0.4	46.77	93	0.3	56.50
<b>SUCKERMOUTH MINNOW</b>									
1978	2	0.1	1.17	19	1.4	7.75	21	0.6	8.92
1979	1	0.1	0.65	77	2.5	33.95	78	1.8	34.60
1981	0	0.0	0.00	17	1.4	3.79	17	0.5	3.79
1982	1	0.1	1.85	11	3.0	5.76	12	1.1	7.61
1983	6	0.6	4.94	36	3.1	16.77	42	1.9	21.71
1984	0	0.0	0.00	15	1.0	4.53	15	0.5	4.53
1985	7	0.3	17.78	40	0.5	35.91	47	0.5	53.69
1986	6	0.2	4.52	6	0.6	2.00	12	0.3	6.52
TOTAL	23	0.2	30.91	221	1.3	110.46	244	0.8	141.37
<b>BLUNTNOSE MINNOW</b>									
1977	50	2.1	118.56	0	0.0	647.37	1249	10.7	765.93
1978	113	4.9	261.39	0.2	447	559.78	560	15.1	821.17
1979	37	2.7	133.25	0.1	777	740.86	814	18.3	874.11
1981	16	0.8	40.26	0.0	236	181.40	252	7.7	221.66
1982	8	1.1	21.25	0.0	39	34.55	47	4.4	55.80
1983	30	2.9	45.10	0.0	185	118.36	215	9.8	163.46
1984	69	4.7	115.32	0.1	148	83.61	217	7.4	198.93
1985	222	8.4	524.24	0.2	2134	1522.10	2356	23.8	2046.34
1986	320	12.3	502.13	0.2	422	407.34	742	20.8	909.47
TOTAL	865	5.2	1761.50	0.1	5587	4295.37	6452	15.1	6056.87
									0.3
									0.6
									0.5
									0.1
									0.0
									0.1
									0.1
									0.9
									0.4
									0.3

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>FATHEAD MINNOW</b>									
1977	0	0.0	0.00	0.0	1	0.0	0.50	0.0	0.50
1978	0	0.0	0.00	0.0	1	0.1	1.62	0.1	1.62
1979	0	0.0	0.00	0.0	1	0.0	3.36	0.1	3.36
1981	2	0.1	11.80	0.0	0	0.0	0.00	0.0	11.80
1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	0.30
1986	0	0.0	0.00	0.0	1	0.1	0.57	0.0	0.57
TOTAL	2	0.0	11.80	0.0	5	0.0	6.35	0.0	18.15
<b>BULLHEAD MINNOW</b>									
1977	147	6.1	399.03	0.1	1058	11.5	779.30	11.2	1178.33
1978	35	1.5	84.63	0.1	52	3.7	60.66	3.6	145.29
1979	25	1.8	83.50	0.0	62	2.0	84.05	2.4	167.55
1981	6	0.3	29.18	0.0	142	11.6	90.01	2.5	119.19
1982	2	0.3	5.54	0.0	12	3.3	11.33	1.5	16.87
1983	8	0.8	19.74	0.0	51	4.4	20.15	2.4	39.89
1984	11	0.7	41.28	0.0	229	15.7	35.22	3.8	76.50
1985	53	2.0	174.53	0.1	338	4.6	561.68	8.8	736.21
1986	8	0.3	11.30	0.0	9	0.9	9.77	0.3	21.07
TOTAL	295	1.8	848.73	0.0	1953	7.5	1652.17	5.8	2500.90
<b>CREEK CHUB</b>									
1978	2	0.1	2.97	0.0	8	0.6	5.47	0.3	8.44
1979	0	0.0	0.00	0.0	18	0.6	11.01	0.3	11.01
1982	0	0.0	0.00	0.0	1	0.3	0.54	0.1	0.54
1983	0	0.0	0.00	0.0	13	1.1	5.11	0.6	5.11
1985	2	0.1	2.78	0.0	70	1.0	63.80	1.0	66.58
TOTAL	4	0.0	5.75	0.0	110	0.8	85.93	0.7	91.68
<b>UNIDENTIFIED MINNOWS</b>									
1977	0	0.0	0.00	0.0	2462	26.7	153.68	2.2	153.68
1978	0	0.0	0.00	0.0	8	0.6	0.49	0.0	0.49
1979	0	0.0	0.00	0.0	2	0.1	0.03	0.0	0.03
1982	0	0.0	0.00	0.0	2	0.5	0.10	0.0	0.10
1983	0	0.0	0.00	0.0	24	2.1	1.30	0.2	1.30
1984	0	0.0	0.00	0.0	12	0.8	0.83	0.1	0.83
TOTAL	0	0.0	0.00	0.0	2510	15.1	156.43	1.1	156.43



APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
RIVER CARPSUCKER	1977	0	0.0	0.0	0.0	0.0	1	0.0	2.15
TOTAL		0	0.0	0.0	0.0	0.0	1	0.0	2.15
QUILLBACK	1977	42	1.7	13604.33	4.7	14.55	46	0.4	13618.88
1978	52	2.2	20226.27	15.6	0.0	0.0	52	1.4	20226.27
1979	47	3.4	16040.41	9.3	0.0	0.0	47	1.1	16040.41
1981	45	2.2	16877.00	4.4	0.0	0.0	45	1.4	16877.00
1982	43	6.1	20665.00	9.4	0.0	0.0	43	4.0	20665.00
1983	138	13.5	79032.08	38.4	0.0	0.0	138	6.3	79032.08
1984	106	7.2	60676.00	28.3	0.0	0.0	106	3.6	60676.00
1985	59	2.2	29829.99	13.9	5	0.1	64	0.6	29839.30
1986	46	1.8	27467.91	13.5	3	0.3	49	1.4	27477.90
TOTAL	578	3.5	284419	14.0	12	0.0	590	1.4	284452.84
WHITE SUCKER	1977	15	0.6	3904.00	1.4	55.00	16	0.1	3959.00
1978	2	0.1	372.00	0.3	0.0	0.0	2	0.1	372.00
1979	11	0.8	3609.00	2.1	1	0.0	12	0.3	3609.40
1981	5	0.2	1740.00	0.4	0.0	0.0	5	0.2	1740.00
1982	8	1.1	3119.59	1.4	0.0	0.0	8	0.7	3119.59
1983	18	1.8	6693.00	3.3	0.0	0.0	18	0.8	6693.00
1984	2	0.1	885.00	0.4	0.0	0.0	2	0.1	885.00
1985	9	0.3	2246.62	1.0	2	0.0	11	0.1	2251.77
1986	1	0.0	430.00	0.2	0.0	0.0	1	0.0	430.00
TOTAL	71	0.4	22999.21	1.1	4	0.0	75	0.2	23059.76
LAKE CHUBSUCKER	1977	0	0.0	0.00	0.0	0.10	1	0.0	0.10
TOTAL	0	0.0	0.00	0.0	1	0.0	1	0.0	0.10
NORTHERN HOGSUCKER	1977	3	0.1	1346.00	0.5	0.00	3	0.0	1346.00
1978	3	0.1	935.56	0.7	0.0	0.00	3	0.1	935.56
1979	8	0.6	3050.00	1.8	3	0.1	11	0.2	3054.25
1981	18	0.9	7615.00	2.0	0.0	0.00	18	0.6	7615.00
1982	18	2.6	6793.94	3.1	0.0	0.00	18	1.7	6793.94
1983	27	2.6	8475.64	4.1	0.0	0.00	27	1.2	8475.64
1984	33	2.2	16421.00	7.7	0.0	0.00	33	1.1	16421.00
1985	37	1.4	10931.79	5.1	8	0.1	45	0.5	10950.26
1986	21	0.8	5285.00	2.6	0	0.0	21	0.6	5285.00
TOTAL	168	1.0	60853.93	3.0	11	0.0	179	0.4	60876.65

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>SMALLMOUTH BUFFALO</b>									
1977	1	0.0	570.00	0	0.0	0.00	1	0.0	570.00
1981	1	0.0	345.00	0	0.0	0.00	1	0.0	345.00
1983	1	0.1	565.00	0	0.0	0.00	1	0.0	565.00
TOTAL	3	0.1	1480.00	0	0.0	0.00	3	0.0	1480.00
<b>BIGMOUTH BUFFALO</b>									
1978	2	0.1	426.00	0	0.0	0.00	2	0.1	426.00
1979	2	0.1	2620.00	0	0.0	0.00	2	0.0	2620.00
1981	1	0.0	400.00	0	0.0	0.00	1	0.0	400.00
1982	2	0.3	1070.00	0	0.0	0.00	2	0.2	1070.00
1983	4	0.4	4891.00	0	0.0	0.00	4	0.2	4891.00
1984	1	0.1	1140.00	0	0.0	0.00	1	0.0	1140.00
TOTAL	12	0.1	10547.00	0	0.0	0.00	12	0.1	10547.00
<b>SPOTTED SUCKER</b>									
1977	1	0.0	3.87	0	0.0	0.00	1	0.0	3.87
1978	1	0.0	42.00	0	0.0	0.00	1	0.0	42.00
1981	1	0.0	510.00	0	0.0	0.00	1	0.0	510.00
1985	3	0.1	2.24	1	0.0	0.62	4	0.0	2.86
1986	2	0.1	39.44	0	0.0	0.00	2	0.1	39.44
TOTAL	8	0.1	597.55	1	0.0	0.62	9	0.0	598.17
<b>SILVER REDHORSE</b>									
1977	19	0.8	8060.38	3	0.0	16.70	22	0.2	8077.08
1978	24	1.0	11947.04	3	0.2	1.69	27	0.7	11948.73
1979	20	1.4	11038.00	4	0.1	7.56	24	0.5	11045.56
1981	54	2.6	27963.00	1	0.1	24.39	55	1.7	27987.39
1982	45	6.4	39061.00	1	0.3	1.63	46	4.3	39062.63
1983	22	2.1	12184.00	0	0.0	0.00	22	1.0	12184.00
1984	38	2.6	28824.00	0	0.0	0.00	38	1.3	28824.00
1985	25	0.9	4468.75	16	0.2	45.27	41	0.4	4514.02
1986	18	0.7	7724.00	0	0.0	0.00	18	0.5	7724.00
TOTAL	265	1.6	151270	28	0.1	97.24	293	0.7	151367.41
<b>RIVER REDHORSE</b>									
1977	69	2.9	5718.00	1	0.0	2.52	70	0.6	5720.52
1978	10	0.4	1324.00	0	0.0	0.00	10	0.3	1324.00
1979	46	3.3	3697.30	0	0.0	0.00	46	1.0	3697.30
1981	26	1.3	12476.00	0	0.0	0.00	26	0.8	12476.00
1982	10	1.4	9143.00	0	0.0	0.00	10	0.9	9143.00
1983	4	0.4	1142.00	0	0.0	0.00	4	0.2	1142.00
1984	5	0.3	4230.00	0	0.0	0.00	5	0.2	4230.00
1985	18	0.7	622.58	0	0.0	0.00	18	0.2	622.58
1986	102	3.9	5664.12	1	0.1	21.00	103	2.9	5685.12
TOTAL	290	1.7	44017.00	2	0.0	23.52	292	0.7	44040.52

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLACK REDHORSE</b>									
1979	10	0.7	862.00	0	0.0	0.00	10	0.2	862.00
1981	6	0.3	1340.00	0	0.0	0.00	6	0.2	1340.00
1982	3	0.4	755.00	0	0.0	0.00	3	0.3	755.00
1983	4	0.4	1308.00	0	0.0	0.00	4	0.2	1308.00
1985	6	0.2	648.21	0	0.0	0.00	6	0.1	648.21
1986	2	0.1	238.02	0	0.0	0.00	2	0.1	238.02
TOTAL	31	0.3	5151.23	0	0.0	0.00	31	0.1	5151.23
<b>GOLDEN REDHORSE</b>									
1977	221	9.1	55900.61	2	0.0	87.50	223	1.9	55988.11
1978	83	3.6	12786.32	1	0.1	1.34	84	2.3	12787.66
1979	175	12.5	25711.68	2	0.1	43.24	177	4.0	25754.92
1981	317	15.5	58659.70	2	0.2	105.95	319	9.8	58765.65
1982	83	11.8	26005.00	0	0.0	0.00	83	7.7	26005.00
1983	67	6.5	25387.00	0	0.0	0.00	67	3.1	25387.00
1984	205	13.9	40427.25	0	0.0	0.00	205	7.0	40427.25
1985	252	9.6	36241.04	388	5.3	491.56	640	6.5	36732.60
1986	323	12.4	54488.32	10	1.0	498.16	333	9.3	54986.48
TOTAL	1726	10.4	335607	405	1.5	1227.75	2131	5.0	336834.67
<b>SHORTHEAD REDHORSE</b>									
1977	157	6.5	31169.69	0	0.0	0.00	157	1.3	31169.69
1978	49	2.1	2676.97	0	0.0	0.00	49	1.3	2676.97
1979	46	3.3	10543.80	0	0.0	0.00	46	1.0	10543.80
1981	223	10.9	87046.00	0	0.0	0.00	223	6.8	87046.00
1982	22	3.1	10325.00	0	0.0	0.00	22	2.1	10325.00
1983	15	1.5	4627.00	0	0.0	0.00	15	0.7	4627.00
1984	16	1.1	1332.00	0	0.0	0.00	16	0.5	1332.00
1985	71	2.7	6187.91	29	0.4	48.42	100	1.0	6236.33
1986	74	2.8	7197.82	0	0.0	0.00	74	2.1	7197.82
TOTAL	673	4.0	161106	29	0.1	48.42	702	1.6	161154.61
<b>UNIDENTIFIED REDHORSE</b>									
1977	52	2.2	166.87	0	0.0	0.00	52	0.8	166.87
1978	32	1.4	31.25	42	3.0	27.47	74	2.0	58.72
1979	2	0.1	1.94	0	0.0	0.00	2	0.0	1.94
1981	0	0.0	0.00	28	2.3	8.76	28	0.9	8.76
1982	0	0.0	0.00	2	0.5	1.90	2	0.2	1.90
1983	7	0.7	6.03	23	2.0	15.53	30	1.4	21.56
1984	0	0.0	0.00	1	0.1	0.58	1	0.0	0.58
TOTAL	93	0.8	206.09	210	1.2	180.16	303	1.0	386.25

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>BLACK BULLHEAD</b>									
1981	2	0.1	261.00	0	0.0	0.00	2	0.1	261.00
1985	1	0.0	53.00	0	0.0	0.00	1	0.0	53.00
1986	1	0.0	97.00	0	0.0	0.00	1	0.0	97.00
TOTAL	4	0.1	411.00	0	0.0	0.00	4	0.0	411.00
<b>YELLOW BULLHEAD</b>									
1979	1	0.1	170.00	0	0.0	0.00	1	0.0	170.00
1982	1	0.1	60.00	0	0.0	0.00	1	0.1	60.00
1984	1	0.1	200.00	0	0.0	0.00	1	0.0	200.00
1985	2	0.1	242.00	0	0.0	0.00	2	0.0	242.00
1986	1	0.0	30.00	0	0.0	0.00	1	0.0	30.00
TOTAL	6	0.1	702.00	0	0.0	0.00	6	0.0	702.00
<b>CHANNEL CATFISH</b>									
1977	21	0.9	11958.16	0	0.0	0.00	21	0.2	11958.16
1978	5	0.2	3560.00	0	0.0	0.00	5	0.1	3560.00
1979	10	0.7	9246.00	0	0.0	0.00	10	0.2	9246.00
1981	6	0.3	9710.00	1	0.1	0.22	7	0.2	9710.22
1982	1	0.1	450.00	0	0.0	0.00	1	0.1	450.00
1983	0	0.0	0.00	1	0.1	1.58	1	0.0	1.58
1984	3	0.2	3697.00	0	0.0	0.00	3	0.1	3697.00
1985	1	0.0	2110.00	0	0.0	0.00	1	0.0	2110.00
1986	2	0.1	4462.00	2	0.2	1.55	4	0.1	4463.55
TOTAL	49	0.3	45193.16	4	0.0	3.35	53	0.1	45196.51
<b>STONECAT</b>									
1977	6	0.2	127.00	0	0.0	0.00	6	0.1	127.00
1978	4	0.2	121.00	0	0.0	0.00	4	0.1	121.00
1979	7	0.5	181.73	0	0.0	0.00	7	0.2	181.73
1981	2	0.1	52.00	0	0.0	0.00	2	0.1	52.00
1982	1	0.1	20.00	0	0.0	0.00	1	0.1	20.00
1983	2	0.2	78.63	0	0.0	0.00	2	0.1	78.63
1984	9	0.6	166.98	1	0.1	28.48	10	0.3	195.46
1985	7	0.3	92.26	0	0.0	0.00	7	0.1	92.26
1986	1	0.0	22.00	0	0.0	0.00	1	0.0	22.00
TOTAL	39	0.2	861.60	1	0.0	28.48	40	0.1	890.08

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	-----ELECTROFISHING-----			-----SEINING-----			-----TOTAL-----		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
PIRATE PERCH	1	0.0	2.28	0	0.0	0.00	1	0.0	2.28
TOTAL	1	0.0	2.28	0	0.0	0.00	1	0.0	2.28
BLACKSTRIPE TOPMINNOW	0	0.0	0.00	28	0.3	12.15	28	0.2	12.15
1978	0	0.0	0.00	8	0.6	2.99	8	0.2	2.99
1979	0	0.0	0.00	5	0.2	2.86	5	0.1	2.86
1981	1	0.0	0.00	3	0.2	2.57	4	0.1	2.57
1982	0	0.0	0.00	1	0.3	1.36	1	0.1	1.36
1983	1	0.1	1.31	13	1.1	13.89	14	0.6	15.20
1984	0	0.0	0.00	4	0.3	2.00	4	0.1	2.00
1985	0	0.0	0.00	37	0.5	19.64	37	0.4	19.64
1986	2	0.1	4.53	11	1.1	4.14	13	0.4	8.67
TOTAL	4	0.0	5.84	110	0.4	61.60	114	0.3	67.44
BROOK SILVERSIDE	11	0.5	11.13	196	2.1	92.74	207	1.8	103.87
1978	1	0.0	2.03	1	0.1	0.09	2	0.1	2.12
1979	1	0.1	2.28	1	0.0	0.09	2	0.0	2.37
1984	0	0.0	0.00	42	2.9	7.64	42	1.4	7.64
1985	3	0.1	1.04	350	4.8	63.66	353	3.6	64.70
1986	16	0.6	29.52	9	0.9	8.59	25	0.7	38.11
TOTAL	32	0.2	46.00	599	2.6	172.81	631	1.7	218.81
YELLOW BASS	1	0.0	16.00	0	0.0	0.00	1	0.0	16.00
TOTAL	1	0.0	16.00	0	0.0	0.00	1	0.0	16.00
ROCK BASS	196	8.1	14831.46	77	0.8	1026.31	273	2.3	15857.77
1978	159	6.8	9652.94	3	0.2	50.41	162	4.4	9703.35
1979	205	14.7	16202.22	7	0.2	476.45	212	4.8	16678.67
1981	181	8.8	21112.00	18	1.5	362.69	199	6.1	21474.69
1982	43	6.1	3446.00	0	0.0	0.00	43	4.0	3446.00
1983	56	5.5	5612.03	0	0.0	0.00	56	2.6	5612.03
1984	66	4.5	4567.42	1	0.1	0.05	67	2.3	4567.47
1985	364	13.8	17950.45	16	0.2	151.04	380	3.8	18101.49
1986	243	9.3	19730.25	26	2.7	749.16	269	7.5	20479.41
TOTAL	1513	9.1	113105	148	0.6	2816.11	1661	3.9	115920.88
									5.4
									7.4
									9.5
									5.5
									1.6
									2.7
									2.1
									8.2
									9.9
									5.6

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	%WT
<b>GREEN SUNFISH</b>									
1977	105	4.3	2144.01	0.7	20	0.2	100.90	1.5	0.8
1978	200	8.6	4040.26	3.1	11	0.8	115.08	6.8	3.2
1979	130	9.3	2889.00	1.7	6	0.2	63.55	1.8	1.7
1981	177	8.6	3951.15	1.0	4	0.3	80.66	2.2	1.0
1982	73	10.4	1347.90	0.6	2	0.5	29.60	4.0	0.6
1983	87	8.5	1586.41	0.8	1	0.1	0.02	0.0	0.8
1984	228	15.5	5315.37	2.5	2	0.1	111.00	12.0	2.5
1985	185	7.0	6002.78	2.8	6	0.1	179.20	2.8	2.8
1986	177	6.8	5357.94	2.6	22	2.3	387.90	10.0	2.8
TOTAL	1362	8.2	32634.82	1.6	74	0.3	1067.91	3.7	1.6
<b>PUMPKINSEED</b>									
1977	1	0.0	6.69	0.0	0	0.0	0.00	0.0	0.0
1981	1	0.0	45.00	0.0	1	0.1	8.87	0.2	0.0
1985	2	0.1	56.91	0.0	0	0.0	0.00	0.0	0.0
1986	4	0.2	153.57	0.1	0	0.0	0.00	0.0	0.1
TOTAL	8	0.1	262.17	0.0	1	0.0	8.87	0.0	0.0
<b>ORANGESPOTTED SUNFISH</b>									
1977	15	0.6	93.12	0.0	77	0.8	20.65	0.3	0.0
1978	64	2.7	709.88	0.5	2	0.1	11.00	0.6	0.5
1979	34	2.4	414.56	0.2	6	0.2	58.06	1.7	0.3
1981	87	4.2	642.83	0.2	60	4.9	183.16	5.0	0.2
1982	8	1.1	81.00	0.0	11	3.0	33.12	4.5	0.1
1983	11	1.1	172.41	0.1	0	0.0	0.00	0.0	0.1
1984	29	2.0	255.91	0.1	1	0.1	1.20	0.1	0.1
1985	71	2.7	821.33	0.4	28	0.4	138.35	2.2	0.4
1986	170	6.5	2087.18	1.0	44	4.5	275.29	7.1	1.1
TOTAL	489	2.9	5278.22	0.3	229	0.9	720.83	2.5	0.3
<b>BLUEGILL</b>									
1977	4	0.2	135.96	0.0	49	0.5	13.23	0.2	0.1
1978	51	2.2	511.13	0.4	5	0.4	22.28	1.3	0.4
1979	5	0.4	99.00	0.1	0	0.0	0.00	0.0	0.1
1981	30	1.5	984.46	0.3	2	0.2	5.36	0.1	0.3
1982	10	1.4	199.00	0.1	0	0.0	0.00	0.0	0.1
1983	32	3.1	983.67	0.5	1	0.1	21.48	2.5	0.5
1984	38	2.6	1010.96	0.5	1	0.1	10.90	1.2	0.5
1985	15	0.6	927.00	0.4	50	0.7	7.10	0.1	0.4
1986	54	2.1	1172.45	0.6	30	3.1	163.59	4.2	0.6
TOTAL	239	1.4	6023.63	0.3	138	0.5	243.94	0.9	0.3

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL							
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)					
CENTRAL LONGEAR SUNFISH	1977	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1	
	TOTAL	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1	
NORTHERN LONGEAR SUNFISH	1977	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7	
	TOTAL	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7	
LONGEAR SUNFISH	1977	42	1.7	550.11	0.2	62	0.7	59.89	0.9	104	0.9	610.00	0.2	
	1978	347	14.9	5800.04	4.5	5	0.4	40.89	2.4	352	9.5	5840.93	4.4	
	1979	172	12.3	3335.01	1.9	10	0.3	156.94	4.5	182	4.1	3491.95	2.0	
	1981	131	6.4	3256.66	0.8	28	2.3	145.12	4.0	159	4.9	3401.78	0.9	
	1982	48	6.8	1002.53	0.5	2	0.5	27.01	3.6	50	4.7	1029.54	0.5	
	1983	42	4.1	775.37	0.4	1	0.1	78.18	9.3	43	2.0	853.55	0.4	
	1984	200	13.6	2016.67	0.9	4	0.3	41.17	4.4	204	7.0	2057.84	1.0	
	1985	263	10.0	3326.46	1.6	52	0.7	348.23	5.5	315	3.2	3674.69	1.7	
	1986	396	15.2	6000.77	3.0	72	7.4	921.18	23.8	468	13.1	6921.95	3.4	
	TOTAL	1641	9.9	26063.62	1.3	236	0.9	1818.61	6.4	1877	4.4	27882.23	1.4	
	GREEN SUNFISH X BLUEGILL	1977	1	0.0	68.00	0.0	0	0.0	0.00	0.0	1	0.0	68.00	0.0
		1982	3	0.4	79.00	0.0	0	0.0	0.00	0.0	3	0.3	79.00	0.0
1983		1	0.1	38.00	0.0	0	0.0	0.00	0.0	1	0.0	38.00	0.0	
1984		1	0.1	118.00	0.1	0	0.0	0.00	0.0	1	0.0	118.00	0.1	
1985		1	0.0	88.40	0.0	0	0.0	0.00	0.0	1	0.0	88.40	0.0	
1986		1	0.0	5.21	0.0	0	0.0	0.00	0.0	1	0.0	5.21	0.0	
TOTAL	8	0.1	396.61	0.0	0	0.0	0.00	0.0	8	0.0	396.61	0.0		
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.0	7.39	0.0	0	0.0	0.00	0.0	1	0.0	7.39	0.0	
	1981	4	0.2	36.00	0.0	0	0.0	0.00	0.0	4	0.1	36.00	0.0	
	TOTAL	5	0.1	43.39	0.0	0	0.0	0.00	0.0	5	0.0	43.39	0.0	
GREEN X LONGEAR SUNFISH	1979	1	0.1	9.00	0.0	0	0.0	0.00	0.0	1	0.0	9.00	0.0	
	1981	4	0.2	74.00	0.0	0	0.0	0.00	0.0	4	0.1	74.00	0.0	
	1985	1	0.0	46.00	0.0	0	0.0	0.00	0.0	1	0.0	46.00	0.0	
	TOTAL	6	0.1	129.00	0.0	0	0.0	0.00	0.0	6	0.0	129.00	0.0	

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
<b>GREEN SUNFISH HYBRID</b>									
1981	5	0.2	30.00	0	0.0	0.00	5	0.2	30.00
TOTAL	5	0.2	30.00	0	0.0	0.00	5	0.2	30.00
<b>UNIDENTIFIED HYBRID SUNFISH</b>									
1982	0	0.0	0.00	1	0.3	5.31	1	0.1	5.31
TOTAL	0	0.0	0.00	1	0.3	5.31	1	0.1	5.31
<b>UNIDENTIFIED SUNFISH</b>									
1977	0	0.0	0.00	24	0.3	1.39	24	0.2	1.39
1979	0	0.0	0.00	4	0.1	0.44	4	0.1	0.44
1981	1	0.0	0.91	14	1.1	1.89	15	0.5	2.80
1982	0	0.0	0.00	13	3.5	2.58	13	1.2	2.58
1983	2	0.2	20.70	54	4.6	10.06	56	2.6	30.76
1984	0	0.0	0.00	7	0.5	0.74	7	0.2	0.74
TOTAL	3	0.0	21.61	116	0.7	17.10	119	0.5	38.71
<b>SMALLMOUTH BASS</b>									
1977	279	11.5	50341.59	14	0.1	147.30	293	2.5	50488.89
1978	241	10.3	16781.63	1	0.1	1.59	242	6.5	16783.22
1979	239	17.1	27021.01	11	0.4	34.37	250	5.6	27055.38
1981	175	8.5	32789.00	15	1.2	70.99	190	5.8	32859.99
1982	95	13.5	22215.30	5	1.4	13.02	100	9.3	22228.32
1983	185	18.1	17718.55	0	0.0	0.00	185	8.4	17718.55
1984	223	15.2	20684.47	2	0.1	42.46	225	7.7	20726.93
1985	558	21.2	56493.11	100	1.4	561.00	658	6.6	57054.11
1986	223	8.6	19045.39	2	0.2	26.97	225	6.3	19072.36
TOTAL	2218	13.3	263090	150	0.6	897.70	2368	5.5	263987.75
<b>LARGEMOUTH BASS</b>									
1977	43	1.8	1127.59	11	0.1	175.68	54	0.5	1303.27
1978	80	3.4	746.54	17	1.2	56.91	97	2.6	803.45
1979	12	0.9	166.96	6	0.2	20.74	18	0.4	187.70
1981	51	2.5	6243.00	10	0.8	249.03	61	1.9	6492.03
1982	9	1.3	249.83	17	4.6	30.83	26	2.4	280.66
1983	27	2.6	1014.94	8	0.7	43.23	35	1.6	1058.17
1984	16	1.1	987.28	5	0.3	23.13	21	0.7	1010.41
1985	45	1.7	3515.96	22	0.3	126.90	67	0.7	3642.86
1986	25	1.0	3119.25	1	0.1	4.67	26	0.7	3123.92
TOTAL	308	1.9	17171.35	97	0.4	731.12	405	0.9	17902.47



APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	0.00	3	0.1	0.16
TOTAL	0	0.0	0.00	0.0	0.0	0.00	3	0.1	0.16
WHITE CRAPPIE	1977	6	0.2	477.06	0.2	22.20	32	0.3	499.26
1978	2	0.1	52.00	0.0	0.0	5.25	10	0.3	57.25
1979	23	1.6	1422.55	0.8	0.4	300.39	67	1.5	1722.94
1981	74	3.6	5708.00	1.5	2.8	791.69	102	3.1	6499.69
1982	6	0.9	992.00	0.4	0.5	2.95	11	1.0	994.95
1983	7	0.7	798.00	0.4	2	72.32	9	0.4	870.32
1984	12	0.8	716.00	0.3	0	0.00	12	0.4	716.00
1985	1	0.0	121.00	0.1	0	0.00	1	0.0	121.00
1986	2	0.1	165.00	0.1	2	15.86	4	0.1	180.86
TOTAL	133	0.8	10451.61	0.5	115	1210.66	248	0.6	11662.27
BLACK CRAPPIE	1977	24	1.0	1206.87	0.4	839.82	154	1.3	2046.69
1978	3	0.1	126.00	0.1	11	11.16	14	0.4	137.16
1979	8	0.6	700.00	0.4	22	65.05	30	0.7	765.05
1981	15	0.7	1655.00	0.4	36	156.42	51	1.6	1811.42
1982	1	0.1	18.00	0.0	9	14.96	10	0.9	32.96
1986	2	0.1	442.00	0.2	2	18.75	4	0.1	460.75
TOTAL	53	0.5	4147.87	0.3	210	1106.16	263	0.9	5254.03
RAINBOW DARTER	1977	1	0.0	0.58	0.0	0.43	2	0.0	1.01
TOTAL	1	0.0	0.58	0.0	1	0.43	2	0.0	1.01
JOHNNY DARTER	1977	2	0.1	2.09	0.0	20.26	38	0.3	22.35
1978	3	0.1	1.39	0.0	62	24.42	65	1.7	25.81
1979	0	0.0	0.00	0.0	53	15.09	53	1.2	15.09
1982	0	0.0	0.00	0.0	20	7.79	20	1.9	7.79
1983	0	0.0	0.00	0.0	34	10.99	34	1.6	10.99
1984	0	0.0	0.00	0.0	29	9.42	29	1.0	9.42
1985	2	0.1	1.28	0.0	214	113.02	216	2.2	114.30
1986	1	0.0	0.23	0.0	26	9.82	27	0.8	10.05
TOTAL	8	0.1	4.99	0.0	474	210.81	482	1.2	215.80

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)
BANDED DARTER	1977	0	0.0	0.00	0.0	0.0	11	0.1	3.05
TOTAL		0	0.0	0.00	0.0	0.0	11	0.1	3.05
YELLOW PERCH	1977	2	0.1	11.46	0.0	7.53	3	0.0	18.99
1978	5	0.2	132.00	0.1	0.0	0.00	5	0.1	132.00
1979	2	0.1	22.94	0.0	0.0	0.00	2	0.0	22.94
1981	1	0.0	16.00	0.0	0.0	0.00	1	0.0	16.00
1983	2	0.2	86.00	0.0	0.0	0.00	2	0.1	86.00
1985	0	0.0	0.00	0.0	0.0	1.84	1	0.0	1.84
TOTAL	12	0.1	268.40	0.0	0.0	9.37	14	0.0	277.77
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	2.14	1	0.0	2.14
1978	1	0.0	2.08	0.0	0.0	2.82	4	0.1	4.90
1979	0	0.0	0.00	0.0	0.0	6.08	10	0.2	6.08
1981	0	0.0	0.00	0.0	0.0	0.39	1	0.0	0.39
1982	0	0.0	0.00	0.0	0.0	3.63	5	0.5	3.63
1983	3	0.3	1.83	0.0	0.0	4.02	8	0.4	5.85
1984	1	0.1	0.64	0.0	0.0	0.00	1	0.0	0.64
1985	3	0.1	3.83	0.0	0.0	44.08	38	0.4	47.91
1986	0	0.0	0.00	0.0	0.0	3.69	1	0.0	3.69
TOTAL	8	0.0	8.38	0.0	0.0	66.85	69	0.2	75.23
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	3.07	4	0.0	3.07
1979	0	0.0	0.00	0.0	0.0	0.39	1	0.0	0.39
1985	1	0.0	0.98	0.0	0.0	22.71	25	0.3	23.69
1986	1	0.0	2.01	0.0	0.0	7.02	6	0.2	9.03
TOTAL	2	0.0	2.99	0.0	0.0	33.19	36	0.1	36.18
WALLEYE	1977	27	1.1	1297.00	0.5	0.00	27	0.2	1297.00
1979	5	0.4	1218.00	0.7	0.0	0.00	5	0.1	1218.00
1981	7	0.3	3239.00	0.8	0.0	0.00	7	0.2	3239.00
1982	1	0.1	5.47	0.0	0.0	0.00	1	0.1	5.47
1983	2	0.2	305.00	0.1	0.0	0.00	2	0.1	305.00
1984	1	0.1	590.00	0.3	0.0	0.00	1	0.0	590.00
1985	4	0.2	905.00	0.4	0.0	0.00	4	0.0	905.00
TOTAL	47	0.4	7559.47	0.4	0.0	0.00	47	0.1	7559.47

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE  
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
FRESHWATER DRUM	1984	1	0.1	425.00	0.2	0	0.0	0.00	0.0	1	0.0	425.00	0.2
	1986	1	0.0	325.00	0.2	0	0.0	0.00	0.0	1	0.0	325.00	0.2
	TOTAL	2	0.0	750.00	0.2	0	0.0	0.00	0.0	2	0.0	750.00	0.2